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Fatent No. 6794136

GENERAL INFORMATION:

APPLICANT: EISBNERG, Stephen P.

APPLICANT: JAMIESON, Andrew

APPLICANT: JAMIESON, Andrew

APPLICANT: REBAR, Edward

TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING

TITLE OF INVENTION: PROTEINS

FILE REPERENCE: 8325-0020

CURRENT PAPLICATION NUMBER: US/09/716,637

CURRENT FILING DATE: 2001-10-12

NUMBER OF SEQ ID NOS: 35

SOFTWARE: PALENTIN VEr. 2.0

SEQ ID NO 30

LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                           December 27, 2004, 18:12:11; Search time 15.9 Seconds (without alignments) 29.197 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1: /cgn2_6/ptodata/1/iaa/5A COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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ORGANISM: Artificial Sequence
FEATURE:
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Maximum DB seq length: 200000000
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Match Length DB
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Perfect score:
Sequence:
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; OTHER INFORMATION: Description of Artificial Sequence: VEGF-II US-09-716-637-30
                                                                        Query Match 100.0%; Score 7; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 3.8e+05; Matches 7; Conservative 0; Mismatches 0; Indels
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Title: Perfect score:

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Run on:

Scoring table:

Word size :

Searched:

Database :

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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Brenberg, Stephen P.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: 21nc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT PAPLICANTION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SSEQ ID NO 15
LENGTH: 99
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APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Barvis, Stephen P.
APPLICANT: Javis, Eic Edward
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Sungamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
FILE REFERENCE: 019496-0022004S
CURRENT APPLICATION NUMBER: US/09/229,037A
                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F2 US-09-716-637-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: VEGF1 OTHER INFORMATION: construct targeting upstream 9-base pair OTHER INFORMATION: site in VEGF promoter
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CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT FILING DATE: 2001-10-12
NUMBER OF SEQ ID NOS: 35
SSCTWARE: Patentin Ver. 2.0
SSG ID NO 28
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 15, Application US/09229037A Patent No. 6534261 GENERAL INFORMATION:
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Best Local Similarity 100...
Lag 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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Sequence 17,
Sequence 3, A
Sequence 5, A
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Sequence 18,
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APPLICANT: LIU, Qiang
APPLICANT: JAMIESON, Andrew
APPLICANT: AMMIESON, Andrew
APPLICANT: REBAR, Edward
TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING
FILLE REFRENCE: 8325-0020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17
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... /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
... /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
... /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
... /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
... /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
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                                   GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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US-09-229-037-15

US-09-229-037-17

US-09-478-681-15

US-09-779-233-3

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US-09-478-681-30
US-09-779-233-18
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Gapop 60.0 , Gapext 60.0
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Patent No. 6794136
GENERAL INFORMATION:
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Maximum DB seq length: 2000000000
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Match Length
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Query Match 100.0%; Score 7; DB 4; Best Local Similarity 100.0%; Pred. No. 1.3; Matches 7; Conservative 0; Mismatches
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US-09-779-233-3
; Sequence 3, Application US/09779233
; Patent No. 6689558
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ORGANISM: Artificial Sequence
                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                  SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 17
LENGTH: 99
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Best Local Similarity 100..
    NUMBER OF SEQ ID NOS: 43
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53 RSSNLQR 59
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GENERAL INFORMATION:

APPLICANT: Case, Casey Christopher

APPLICANT: Esenberg, Stephen P.

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Spratt, Sharon K.

TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USUNG ZINC FINGER PROTEINS

FILE REFERENCE: 8325-0002.10 / S2-US3

CURRENT APPLICATION NUMBER: US/09/478,681

CURRENT FILING DATE: 2000-01-06

NUMBER OF SEQ ID NOS: 43

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 15

LENGTH: 99
                                                                                                                                                                                                                                                                                                                                      Gaps
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APPLICANT: Case, Casey Christopher
APPLICANT: Edse, Casey Christopher
APPLICANT: Estemberg, Stephen P.
APPLICANT: Estemberg, Stephen P.
APPLICANT: Spratt, Sharon K.
ITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REPREMENT APPLICATION NUMBER: US/9/478,681
CURRENT APPLICATION DATE: 2000-01-06
                                                                                                                                                         FEATURE: OTHER INFORMATION: Description of Artificial Sequence: VEGF3a ZPP OTHER INFORMATION: construct targeting downstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target CTHER INFORMATION: site in VEGF promoter US-09-478-681-15
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100.0%; Pred. No. 1.3;
iive 0; Mismatches 0; Indels
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US-09-478-681-15
'Sequence 15, Application US/09478681
'Patent No. 6607882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17, Application US/09478681
Patent No. 6607882
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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Matches 7; Conservative
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US-09-478-681-17
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; OTHER INFORMATION: Description of Artificial Sequence: VEGF3a ZFP; OTHER INFORMATION: construct targeting downstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-17
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; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF3a
US-09-779-233-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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100.0%; Pred. No. 1.3;
iive 0; Mismatches
                                                                                                                Query Match 100.0%; Score 7; DB 4; Best Local Similarity 100.0%; Pred. No. 1.3; Matches 7; Conservative 0; Mismatches
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Patent No. 668958;
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
CURRENT PAPLICATION NUMBER: US/09/779,233;
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 5
LENGTH: 99
                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Case, Casey,
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY;
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 3
LENGTH: 99
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1 RSSNLOR 7
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                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Cox III, George No. 6534261bert
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Steenberg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Snagamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: 2inc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Sisenberg, Stephen P.
APPLICANT: Spratt, Staron K.
TITLE OF INVENTION: USING ZINC FUNGER PROTEINS
FILE REFERENCE: 8325-0002.10 / S2-US3
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
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100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 7; Conservative 0; Mismatches 0; Indels
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                                                                                   US-09-229-037-30
; Sequence 30, Application US/09229037A
; Patent No. 6534261
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Patent No. 6607882
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TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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53 RSSNLOR 59
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US-09-478-681-30
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Perfect score:

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Word size :

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Database :

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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Stratt, Sharon Kaye
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT APPLICATION WUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.0
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Patent No. 6534261
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Sisenberg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Sngamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 019496-00220008
CURRENT APPLICATION NUMBER: US/09/229,037A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
                                                                                                                                                                                                                                                            FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-1
US-09-716-637-28
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Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT FILING DATE: 2001-10-12
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin Ver: 2.0
SEQ ID NO 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-229-037-15
; Sequence 15, Application US/09229037A
; Settent No. 6534261
; GENERAL INFORMATION:
                                                                                                                                                                                              TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
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Matches 7; Conser
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US-09-229-037-17
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Sequence 30,
Sequence 30,
Sequence 18,
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Sequence 15,
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Parent No. 6794136
GRNERAL INFORMATION:
APPLICANT: EISENBERG, Stephen P.
APPLICANT: LIU, Olang
APPLICANT: LIW, Olang
APPLICANT: WEBAR, Edward
APPLICANT: REBAR, Edward
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Description
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/cgn2_6/ptodata/1/iaa/5B_COM3.pep;*
/cgn2_6/ptodata/1/iaa/6A_COM3.pep;*
/cgn2_6/ptodata/1/iaa/6B_COM3.pep;*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep;*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep;*
                                                 GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-229-037-17
US-09-478-681-15
US-09-779-233-3
US-09-779-233-3
US-09-229-037-30
US-09-279-233-5
US-09-779-233-5
US-09-779-233-5
US-09-779-233-5
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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RESULT 6
18-09-779-233-3
1 Sequence 3, Application US/09779233
1 Patent No. 6689558
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ORGANISM: Artificial Sequence
                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
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NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
LENGTH: 99
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7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-779-233-5
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| GENERAL INFORMATION:
| APPLICANT: Case, Casey Christopher
| APPLICANT: Case, Casey Christopher
| APPLICANT: Eisenberg, Stephen P.
| APPLICANT: Bisenberg, Stephen P.
| APPLICANT: Spratt, Sharon K.
| TITLE OF INVENTION: REQUIATION OF ENDOGENOUS GENE EXPRESSION IN CELLS:
| TITLE OF INVENTION: BISTORY 2110N C PINGER PROTEINS
| TITLE OF INVENTION: USING 2110N C PINGER PROTEINS
| CURRENT FILING APPLICATION NUMBER: US/09/478,681
| CURRENT FILING ADIE: 2000-01-06
| NUMBER OF SEQ ID NOS: 43
| SEQ ID NO 15
| LENGTH: 99
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Sequence 17, Application US/09478681
Patent No. 6607882
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REPERENCE: 8325-0002.10 / S2-US3
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence: VEGF3a ZFP A. OTHER INFORMATION: construct targeting downstream 9-base pair target OTHER INFORMATION: site in VEGF promoter US-09-229-037-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: Description of Artificial Sequence:VEGF1 ZFP; OTHER INFORMATION: construct targeting upstream 9-base pair target ; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
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; Sequence 15, Application US/09478681
; Patent No. 6607882
      CURRENT FILING DATE: 1999-01-12
                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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                       NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 17
LENCTH: 99
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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OTHER INFORMATION: Description of Artificial Sequence:VEGF3a ZFP OTHER INFORMATION: construct targeting downstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF3a
US-09-779-233-5
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US-09-779-233-3
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                                                                                                              Query Match 100.0%; Score 7; DB 4; Best Local Similarity 100.0%; Pred. No. 1.3; Matches 7; Conservative 0; Mismatches
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100.0%; Pred. No. 1.3;
rative 0; Mismatches
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tive 0; Mismatches
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Fatent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT PAPLICATION NUMBER: US/09/779,233
CURRENT PILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 5
LENGTH: 99
                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REPERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 3
LENGTH: 99
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53 RSSNLOR 59
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US-09-478-681-30

Sequence 30, Application US/09478681

Patent No. 6607882

GENERAL INFORMATION:

APPLICANT: Case, Casey Christopher

APPLICANT: Case, Casey Christopher

APPLICANT: Spratt, Sharon K.

TITLE OF INVENTION: REGILATION OF ENDOGENOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USING ZING ZING FOUTEINS

FILE REFERENCE: 8325-0002.10 / S2-US3

CURRENT FILING DATE: 2000-01-06

SOFTWARE: PatentIN Ver. 2.0

SOFTWARE: PatentIN Ver. 2.0

SEQ ID NO 30.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence:designed CTHER INFORMATION: 6-finger ZFP VEGF3a/1 from KpnI to BamHI US-09-229-037-30
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100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 2.4;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                        US-09-229-037-30; Sequence 30, Application US/09229037A; Patent No. 6534261; GENERAL INFORMATION:
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53 RSSNLQR 59
53 RSSNLOR 59
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US-09-779-233-18
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RESULT 10
US-09-779-213-18

Sequence 18, Application US/09779233

Patent No. 6689558
GENERAL INFORMATION:
APPLICANT: Case Casey
TITLE OF INVENTION:
FILE REFERENCE: 8125-0010
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 18
LENGTH: 196
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ORGANISM: Artificial Sequence
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Gaps

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Scoring table:

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Sequence:

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y Saperbury Internation, statements, Stephen P. APPLICANT: Elsenberg, Stephen P. APPLICANT: Elsenberg, Stephen P. APPLICANT: Case, Casey C. APPLICANT: Case, Casey C. APPLICANT: Cox III, Gaecrye N. APPLICANT: Bangame Bloaciences, Inc. APPLICANT: Sangame Bloaciences, Inc. APPLICANT: Sangame Bloaciences, Inc. APPLICANT: Sangame Bloaciences, Inc. APPLICANT: Sangame Bloaciences, Inc. APPLICANTON: Proteins and Methods of Designing Zinc Finger TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger TITLE OF INVENTION: Design and Methods of Designing Zinc Finger CURRENT APPLICATION NUMBER, US/09/229,007A; CURRENT FILING DATE: 1999-01-12

NUMBER OF SEQ ID NOS: 97

SEQ ID NOS: 97

SEQ ID NOS: 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence:phage display; OTHER INFORMATION: selected and mutagenized
US-09-494-190-69
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                                                                                                                                                                                                                                                                                                                                                 Sequence 69 Application US/09494190

Sequence 6.0 Application US/09494190

SENERAL INFORMATION:

APPLICANT: BARBAS, Carlos F.

TITLE OF INVENTION: ZINC FINGER BINDING DOMAINS FOR GNN
FILE REFERENCE: TSRI 645.2

CURRENT APPLICATION NUMBER: US/09/494,190

CURRENT APPLICATION NUMBER: EP/99/07742

PRIOR FILING DATE: 1999-10-14

PRIOR FILING DATE: 1999-10-16

NUMBER OF SEQ ID NOS: 126

SOFTWARE: PATENTIN VOET: 2.1
                                                                        100.0%; Score 7; DB 3; Length 7; 100.0%; Pred. No. 3.8e+05; ive 0; Mismatches 0; Indels
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; OTHER INFORMATION: codon binding sequence US-09-173-941-69
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                                Query Match
Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity
7; Conserve
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                                                                                                                                                                                                                                                                                                                   RESULT 2
US-09-494-190-69
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LENGTH: 7
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29.197 Million cell updates/sec
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                                                                                                                                                                                        December 27, 2004, 18:12:11 ; Search time 15.9 Seconds
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TITLE OF INVENTION: ZINC FINGER BINDING DOMAINS FOR GNN
FILE REFERENCE: NOVO0818:
CURRENT APPLICATION NUMBER: US/09/173,941
CURRENT FILING DATE: 1998-10-16
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /cgm2_6/ptodata/1/1aa/5A_COMB.pep:*
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/cgm2_6/ptodata/1/1aa/6A_COMB.pep:*
/cgm2_6/ptodata/11.aa/6A_COMB.pep:*
/cgm2_6/ptodata/11.aa/PCTUS_COMB.pep:*
/cgm2_6/ptodata/11.aa/PCTUS_COMB.pep:*
                                  GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-494-190-69
US-09-229-007A-94
US-10-113-424-94
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Patent No. 6140081
GENERAL INFORMATION:
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Maximum DB seq length: 200000000
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ORGANISM: Artificial Seguence
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Match Length DB
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US-09-173-941-69

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0; Indels Length 7;

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Sequence 94, Application US/10113424

Sequence 94, Application US/10113424

Patent No. 6785613

(GENERAL INFORMATION:
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Case, Case, C.
APPLICANT: Gos, II, George N.
APPLICANT: Gos, III, George N.
APPLICANT: Sangame Biosciences, Inc.
TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger
TITLE OF INVENTION: Delain and Methods of Designing Zinc Finger
TITLE OF INVENTION: Los Bind to Preselected Sites
TITLE OF INVENTION: Los Bind to Preselected Sites
CURRENT APPLICATION NUMBER: US/10/113, 424
CURRENT APPLICATION NUMBER: US/09/229,007A
PRIOR APPLICATION NUMBER: US/09/229,007A
PRIOR PILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SEQ ID NO 94
LENTH: 21
LENTH: 21
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OTHER INFORMATION: Description of Artificial Sequence: ZFP sequence
CTHER INFORMATION: (F1, F2 and F3) from SBS design GR-223
US-10-113-424-94
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Best Local Similarity 100.0%; Score 7; DB 4; Length 21;
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 7; Conservative 0; Mismatches 0; Indels
Query Match
100.0%; Score 7; DB 4; Length 21;
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 7; Conservative 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
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US-09-731-558-21
Sequence 21, Application US/09731558
Sequence 21, Application US/09731558
Sequence 21, Application US/09731558
Sequence 21, Application US/09731558
Sequence 21, Application US 6503717
GENERAL INFORMATION:
APPLICANT: Rebar, Edward J.
APPLICANT: Rebar, Edward J.
APPLICANT: Rebar, Edward J.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT FILING DATE: 2000-12-06
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE PATENTIN VEY: 2.1
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                                                                                                                                       December 27, 2004, 18:12:11; Search time 15.9 Seconds (without alignments) 29:197 Million cell updates/sec
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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Score Match Length DB
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Perfect score:
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LENGTH: 7
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Sequence 21, Application US/09731558

Patent No. 6503777

GENERAL INFORMATION:

APPLICANT: Gase, Casey Christopher

APPLICANT: Liu, Olang

APPLICANT: Bangame Bloscience, Inc.

APPLICANT: Rebar, Edward J.

TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger

TITLE OF INVENTION: Proteins for the Identification of Gene Function

TITLE OF INVENTION: Proteins for the Identification of Gene Function

TITLE OF INVENTION: Proteins for the Identification of Gene Function

CURRENT FILING DATE: 10994-103-06

PRIOR APPLICATION NUMBER: US/09/731,558

CURRENT FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PATENTIN Ver. 2.1
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                                                                                                                                            December 27, 2004, 18:12:11; Search time 15.9 Seconds (without alignments) 29.197 Million cell updates/sec
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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Score Match Length DB
                       Copyright
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LENGTH: 7
TYPE: PRT
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Perfect score:
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; ORGANISM: Artificial Sequence
; FRATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SBS10
; OTHER INFORMATION: recognition helix
US-09-731-558-21

Query Match

Query Match

Best Local Similarity 100.0%; Score 7; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.88+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0;

Qy 1 QSGNLAR 7

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Search completed: December 27, 2004, 19:21:22
Job time: 15.9 secs
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Title: Perfect score:

Run on:

Sequence:

Scoring table:

Word size :

Searched:

Database :

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Sequence 29, Application US/09716637

Sequence 29, Application US/09716637

Sequence 29, Application US/09716637

GENERAL INFORMATION:

APPLICANT: EISENBERG, Stephen P.

APPLICANT: APPLICANT: Admission, Andrew

APPLICANT: REBAR, Edward

TITLE OF INVENTION: IPERATIVE OPTIMIZATION IN THE DESIGN OF BINDING

TITLE OF INVENTION: PROTEINS

FILE REFERENCE: 8325-0020

CURRENT APPLICANTION UNBER: US/09/716,637

CURRENT FILING DATE: 2001-10-12

NUMBER OF SEQ ID NOS: 35

SOFTWARE: Patentin Ver: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: recognition OTHER INFORMATION: helix
                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix US-09-731-558-14
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100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0;
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Fatent No. 669958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION:
FILE REPERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779, 233
CURRENT APPLICATION NUMBER: US/09/779, 233
NUMBER OF SEQ ID NOS: 201-02-08
NUMBER OF SEQ ID NOS: 2501-02-08
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 44
CURRENT FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                      NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 14
LENGTH: 7
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Matches 7; Conserv
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1 RSDHLSR 7
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US-09-779-233-44
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LENGTH: 7
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Sequence 29, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appli
Sequence 30, Appli
Sequence 30, Appli
Sequence 30, Appli
Sequence 18, Appl
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Bequence 14, Application US/09731558
Bettent No. 6503717
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Liu, Qiang
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-00321005
CURRENT APPLICATION NUMBER: US/09/731,558
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                                                                                                                                                                       December 27, 2004, 18:12:11 ; Search time 15:9 Seconds (without alignments) 29:197 Million cell updates/sec
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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(c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
US-09-776-637-29
US-09-22-037-15
US-09-779-233-3
US-09-478-681-30
US-09-478-681-30
US-09-779-233-18
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Maximum DB seq length: 200000000
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Result

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US-09-779-233-3
; Sequence 3, Application US/09779233
; Patent No. 6689558
; GENERAL INFORMATION:
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Best Local Similarity
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Sequence 15, Application US/09229037A

Sequence 15, Application US/09229037A

Parent No. 6534261

APPLICANT: Case, Casey Christopher

APPLICANT: Case, Casey Christopher

APPLICANT: Spratt, Sharon Kaye

APPLICANT: Spratt, Sharon Kaye

APPLICANT: Spratt, Sharon Kaye

APPLICANT: Spratt, Sharon

TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using

TITLE OF INVENTION: The Finger Proteins

FILE REFERENCE: 019496-0022000S

CURRENT APPLICATION NUMBER: US/09/229,037A

CURRENT APPLICATION NUMBER: US/09/229,037A

SOFTWARE: Patentin Ver. 2.0
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Sequence 15, Application US/09478681

Sequence 15, Application US/09478681

Patent No. 6607882

GENERAL INFORMATION:

APPLICANT: Case, Casey Christopher

APPLICANT: Eisenberg, Stephen P.

APPLICANT: Spratt, Sharon K.

TITLE OF INVENTION: REGILATION OF ENDOGENOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USING ZING FINGER PROTEINS

FILE REFERENCE: 8325-0002.10 / S2-US3

CURRENT FILING DATE: 2000-01-06

NUMBER OF SEQ ID NOS: 43

SOOTWARE: PatentIn Ver. 2.0
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                    , OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                                                          0; Indels
                                                                                  Length 7;
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100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0;
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                Query Match
Best Local Similarity 100.
Matches 7; Conservative
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81 RSDHLSR 87
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1 RSDHLSR 7
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LENGTH: 99
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LENGTH: 99
FEATURE:
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Sequence 30, Application US/09229037A
; Sequence 30, Application US/09229037A
; Patent No. 6534261
; GENERAL INPORMATION:
APPLICANT: Case, Casey Christopher
; APPLICANT: Case, Casey Christopher
; APPLICANT: Spratt, Strict Edward
; TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
; TITLE OF INVENTION: Zinc Finger Proteins
; TITLE OF INVENTION: Zinc Finger Proteins
; TITLE OF ENVENTION: Zinc Finger Proteins
; TITLE REFERENCE: 019496-002200US
; CURRENT FILING DATE: 1999-01-12
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                                              Gaps
; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 7; DB 4; Length 196; Best Local Similarity 100.0%; Pred. No. 0.3; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                Length 99;
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100.0%; Pred. No. 0.16;
tive 0; Mismatches
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100.0%; Score 7; DB 4;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 3
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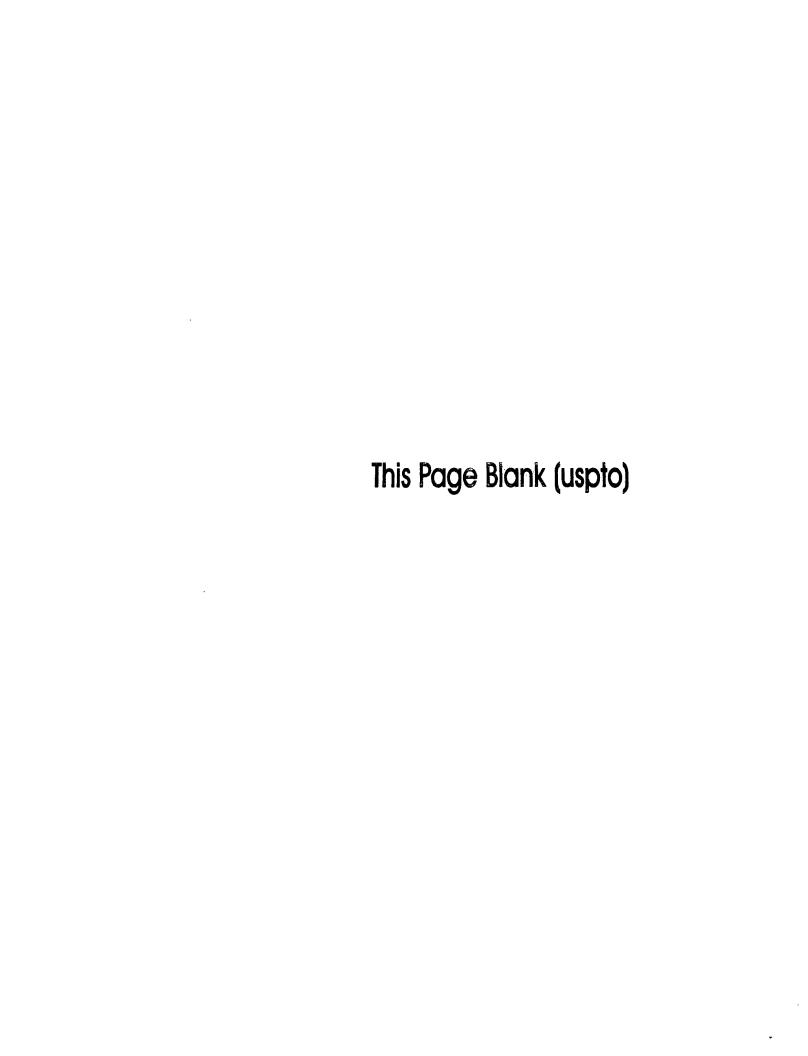
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                          RESULT 8

US-09-478-681-30

; Sequence 30, Application US/09478681
; Patent No. 6607882
; General Information:
; APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
; APPLICANT: Spratt, Sharon K.
; TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
; TITLE OF INVENTION: USING ZING FINGER PROTEINS
; TITLE OF SOUTH STEPHENCE: 325-0002.10 / S2-US3
; CURRENT APPLICATION NUMBER: US/09/478,681
; CURRENT PILING DAME: 200-01-06
; SEQ ID NO 30
LENGTH: 196
; TYPE: PAT
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, OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF 3a/1
US-09-779-233-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233
Fatent No. 6689558
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION:
FILE REPERENCE: 8325-0010
CURRENT APPLICATION WIMBER: US/09/779,233
CURRENT APPLICATION WIMBER: US/09/779,233
SOFTWARE: PatentIN Ver. 2.0
; SOFTWARE: PatentIN Ver. 2.0
; SEQ ID NO 18
; LENGTH: 196
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178 RSDHLSR 184
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Sequence 16, Application US/09731558

Patent No. 6503717

GENERAL INFORMATION:

APPLICANT: Gase, Case, Cas
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                                                                                                                                                                                                                                               December 27, 2004, 18:12:11 ; Search time 15:9 Seconds (without alignments) 29:197 Million cell updates/sec
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/pcTuS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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Score Match Length DB
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LENGTH: 7
TYPE: PRT
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; ORGANISM: Artificial Sequence; FEATURE:
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SBS5
; OTHER INFORMATION: recognition helix
US-09-731-558-16
Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 QSGSLTR 7
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| Db 1 QSGSLTR 7
| Search completed: December 27, 2004, 19:21:22
Job time: 15.9 secs
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Title: Perfect score:

Run on:

Sequence:

Scoring table:

Word size

Searched:

Database :

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; OTHER INFORMATION: Description of Artificial Sequence: Zinc finger; OTHER INFORMATION: peptide
US-09-424-487B-11
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Patent No. 6007988
GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Sanchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
                                                                                       FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:SBS9
COTHER INFORMATION: recognition helix
US-09-731-558-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 27;
                                                                                                                                                                                                     100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; Pred. No. 3.8e+05; active 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INCOMMENTION:
APPLICANT: CHOO, YEN
APPLICANT: CHOO, YEN
TITLE OF INVENTION: NUCLEIC ACID BINDING PROTEINS
FILE REFERENCE: 11279/264975
CURRENT APPLICATION NUMBER: US/09/424,487B
CURRENT APPLICATION NUMBER: US/09/424,487B
CURRENT APPLICATION NUMBER: US/09/523
PRIOR APPLICATION NUMBER: PCT/GB98/01512
PRIOR FILING DATE: 1999-05-23
PRIOR FILING DATE: 1999-05-26
NUMBER OF SEQ ID NOS: 114
SOFTWARE: Patentin Ver. 2.1
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; Sequence 11, Application US/09424487B
; Patent No. 674683B
                                               TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                       Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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nes 7; Conservative
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COMPUTER READABLE FORM:
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12 DRSNLTR 18
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LENGTH: 27
SEQ ID NO 20
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                     LENGTH:
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APPLICANT: Liu, Qiang
APPLICANT: Liu, Qiang
APPLICANT: Sangamo Biodences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proceins for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT FILING DATE: 2000-12-06
PRIOR PRIOR APPLICATION NUMBER: US/09/731,558
PRIOR FILING DATE: 1999-12-06
MUMBER OF SEQ ID NOS: 24
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Sequence 11, 1
Sequence 18, 1
Sequence 18, 7
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2: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                            GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-424-487B-11
US-08-793-408-18
US-09-139-762A-18
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                                                                                                                    OM protein - protein search, using sw model
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                                                                                                                                                                                                                                                  US-09-846-033B-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Match Length DB
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No. Result

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Sequence 18, Application US/09139762A

Sequence 18, Application US/09139762A

Sequence 18, Application US/09139762A

SEXTENTION:
APPLICANT: Klud, Aaron
APPLICANT: Ranchez Garcia, Isidro
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillabury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTY: Washington
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
COMPUTER: OF SYSTEM:
MEDIUM TYPE: Diskette
COMPUTER: OF SYSTEM:
MEDIUM TYPE: Diskette
COMPUTER: OF SYSTEM:
MEDIUM TYPE: Diskette
COMPUTER: OF SYSTEM:
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COMPUTER: OF SYSTEM:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,408
FILING DATE:
CLASSIFLAMION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 1-4UG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUU-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 942534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 89 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASETEIGTON:
PRIOR APPLICATION:
PRIOR APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-JUN 1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
FILING DATE: 17-AUG-1995
FILING DATE: 17-AUG-1995
FILING DATE: 18-JUL-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-793-408-18
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STRANDEDNESS:
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Gaps

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Scoring table:

Word size :

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Database :

Perfect score:

Title:

Run on:

Sequence:

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OTHER INFORMATION: Description of Artificial Sequence: Zinc finger OTHER INFORMATION: peptide
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APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Klug, Aaron
APPLICANT: Sanchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS: 18
ADDRESSES: Pillsbury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
                                                                                                          OTHER INFORMATION: Description of Artificial Sequence:SBS9 OTHER INFORMATION: recognition helix US-09-731-558-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 7; DB 4; Length 27; 100.0%; Pred. No. 0.064; cive 0; Mismatches 0; Indels
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US-09-444-487B-11
Sequence 11, Application US/09424487B
Sequence 1. Application US/09424487B
Sequence 1. Application US/09424487B
Setent No. 6746838
GENERAL INFORMATION:
APPLICANT: KLUG, AARON
APPLICANT: KLUG, AARON
STILE OF INVENTION: NUCLEIC ACID BINDING PROTEINS
FILE REFERENCE: 712/9/264375
CURRENT APPLICATION NUMBER: US/09/424,487B
CURRENT PELING DATE: 1997-05-23
PRIOR FILING DATE: 1997-05-23
PRIOR FILING DATE: 1998-05-26
NUMBER OF SEQ ID NOS: 114
SEQ ID NO 11
SEQ ID NO 11
SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 18, Application US/08793408
; Patent No. 6007988
; GENERAL INFORMATION:
                                          TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
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ZIP: 20005-3918
COMPUTER READABLE FORM:
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US-08-793-408-18
SEQ ID NO 20
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APPLICANT: Case, Case, Casey Christopher
APPLICANT: Rebar, Edward J.
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Blosciences, Inc.
APPLICANT: Sangamo Blosciences, Inc.
TITLE OF INVENTION: Protecting for the Identification of Gene Function
FILE REPERENCE: 019496-00321003
CURRENT APPLICATION NUMBER: US/09/731,558
PRIOR APPLICATION NUMBER: US/09/731,558
PRIOR PLIANG DATE: 1999-12-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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29.197 Million cell updates/sec
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Sequence 11, A
Sequence 18, A
Sequence 18, A
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                                                                                                                                                                 December 27, 2004, 18:12:11 ; Search time 15.9 Seconds
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                        GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-424-487B-11
US-08-793-408-18
US-09-139-762A-18
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Gapop 60.0 , Gapext 60.0
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; Sequence 20, Application US/09731558
Patent No. 6503717
; GENERAL INFORMATION:
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Maximum DB seq length: 2000000000
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Match Length DB
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SOFTWARE: PatentIn Ver. 2.1
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MEDIUM TYPE: Floppy disk
COMEDTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOOFWARE: WORD PETCOT
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,408
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
BRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ 1D NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: SMITLO ACIDS

LENGTH: SMITLO ACIDS

LENGTH: SMITLO ACIDS

LENGTH: SMITLO ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 0.2 -UJN-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: unknown; MOLECULE TYPE: protein US-08-793-408-18
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74 DRSNLTR 80
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PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9422534.9
FILING DATE: B 0 NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20 AUG-1994

INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 89 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids

STRANDEDESS:
TOPOLOGY: unknown

MOLECULE TYPE: protein
US-09-139-762A-18

Query Match

Dest Local Similarity 100.0%; Score 7; DB 3; Length 89;
Matches 7; Conservative 0; Mismatches 0; Indels

QY

Dest Local Similarity 100.0%; Score 7; DB 3; Length 89;

Ratches 7; Conservative 0; Mismatches 0; Indels

Ob 74 DRSNLTR 7

Db 74 DRSNLTR 80

Search completed: December 27, 2004, 19:21:22
Job time: 16.9 secs
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Gaps

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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
; OTHER INFORMATION: peptide
US-09-424-487B-10
                                                                                                                                                                                                                                                                                                                                                         RESULT 2
US-08-793-408-18
i Sequence 18
i Sequence 18
i Sequence 18
i Patent No. 6007988
i GENERAL INFORMATION:
i APPLICANT: Choo, Yen
i APPLICANT: Sanchez Garcia, Isidro
i TITLE OF INVENTION: Improvements in or Relating to
i TITLE OF INVENTION: Binding Proteins for Recognition of DNA
i NUMBER OF SEQUENCES:
i ADDRESSED: Pillsbury Madison & Sutro, L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 89;
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                                                                                                                                                               Length
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100.0%; Pred. No. 0.1;
:ive 0; Mismatches (
                                                                                                                                                               100.0%; Score 7; DB 4;
100.0%; Pred. No. 0.035;
tive 0; Mismatches 0
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
FILING DATE: 20-AUG-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 1100 New York Avenue, N.W. CITY: Washington STATE: D.C. COUNTY: USA ZIP: 20005-3918
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMpatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 89 amino acids
                    TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                 Query Match
Best Local Similarity 100.
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12 DRSHLTR 18
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Best Local Similarity
Matches 7; Conserv
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LENGTH: 28
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Sequence 18, Appl
Sequence 18, Appl
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                                                                                                                                               December 27, 2004, 18:12:11; Search time 15.9 Seconds (without alignments) 29.197 Million cell updates/sec
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/ep-COMB.pep:*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
                      GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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; Patent No. 6746838
; GENERAL INFORMATION:
    APPLICANT: CHOO, YEN
    APPLICANT: KLUG, AARON
    APPLICANT: KLUG, AARON
    TITLE OF INVENTION: NUCLEIC ACID BINDING PROTEINS
    FILE REFERENCE: 71278/264975
    CURRENT APPLICATION NUMBER: US/09/424,487B
    FILER PEPERENCE: 1278/264975
    CURRENT PILING DATE: 2000-02-29
    PRIOR APPLICATION NUMBER: GB 9710809.6
    PRIOR FILING DATE: 1997-05-23
    PRIOR FILING DATE: 1998-05-26
    NUMBER OF SEQ ID NOS: 114
    SOFTWARE: PATENTIN VOWER: PCT/GB98/01512
    SOFTWARE: PATENTIN VOWER: 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-424-487B-10
US-08-793-408-18
US-09-139-762A-18
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                                                                                                                                                                                                                                                                                                                                                                                          478139 segs, 66318000 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUMMARIES
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                                                                                                           OM protein - protein search, using sw model
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Maximum DB seq length: 2000000000
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Match Length DB
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Word size :

Searched:

Sequence:

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Database :

Result

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Gaps

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US-10-1-16-24-1B

US-10-1-19-1-6-24-1B

Fatent No. 601343

Fatent No. 601343

FAPLICANT: Klug, Aaron

APPLICANT: Ridg, Aaron

APPLICANT: Ridg, Aaron

APPLICANT: Ridg, Aaron

APPLICANT: Ridg, Aaron

APPLICANT: SIGNER SIGNER

UNMER OF SEQUENCES: 125

CORRESPONDENCE ADDRESS: 125

CORRESPONDENCE ADDRESS: 125

CORPUTER FRADABLE FORM:

WEDILD WERD OF SEQUENCES: 126

COUNTRY: Washington

STRATS: 1100 New York Avenue, N.W.

CITY: Washington

STRATS: 100 New York Avenue, N.W.

CITY: Washington

STRATS: 100 New York Avenue, N.W.

COUNTRY: Washington

STRATS: 100 New York Avenue, N.W.

COUNTRY: Washington

STRATS: 100 NATE:

COMPUTER FRADABLE FORM:

WEDILD WITPER: 110 New York Avenue, N.W.

COMPUTER: New Perfect

COMPUTER: New Perfect

COMPUTER: Nord Perfect

COMPUTER: Nord Perfect

COMPUTER: Nord Perfect

COMPUTER: Nord Perfect

APPLICATION NUMBER: US/09/139,762A

FILING DATE:

CLASSIFICATION NUMBER: PCT/0895/01949

FILING DATE: 18-UUL-1955

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9416880.4

FILING DATE: 18-UUL-1955

PRIOR APPLICATION NUMBER: GB 9416880.4

FILING DATE: 10-10 NO: 18:

SEQUENCE CHARACTER STICG:

LENGTH: 89 amino acids

STREET: SEQUENCE CHARACTER STICG:

LENGTH: 89 amino acids

STREET: SEQUENCE CHARACTER STICG:

LENGTH: 89 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-139-762A-18
US-09-139-762A-18
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Gaps ö Query Match 100.0%; Score 7; DB 3; Length 89; Best Local Similarity 100.0%; Pred. No. 0.1; Matches 7; Conservative 0; Mismatches 0; Indels 1 DRSHLTR 7 ò

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||||||| 46 DRSHLTR 52 8

Search completed: December 27, 2004, 19:21:21 Job time : 15.9 secs

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Title: Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Word size :

Database

Result No.

Searched:

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Sequence 1278, Ap
Patent No. 5206152
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Seguence 44,
Seguence 8, A
                                                                                                                                                                                                                                                                                           Sequence 6, A
Sequence 2, A
Sequence 2, A
                                                                                                                            Sequence 34,
Sequence 36,
Sequence 44,
                                                                                                                                                                                                                                                                                                                                                       Sequence 66,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19, Application US/09139762A; Sequence 19, Application US/09139762A; Sequence 19, Application US/09139762A; Sequence 19, Applicant No. 6013453; General Information: Applicant: Klugh Aaron; Applicant: Standbar Garcia, Isidaro TITLE OF INVENTION: Improvements in or Relating to TITLE OF INVENTION: Binding Proteins for Recognition of DNA TITLE OF INVENTION: Binding Proteins for Recognition of DNA NUMBER OF SEQUENCES: 125 CORRESPONDENCE ADDRESS: ADDRESSEE: P1118bury Madison & Sutro, L.L.P. STREET: 1100 New York Avenue, N.W. CITY: Washington STATE: D.C.
                                                                Sequence
Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: peptide
US-09-614-679A-19
                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; ive 0; Mismatches 0; Indels
US-09-500-700-5
US-08-224-482-11
US-08-863-813A-34
US-08-676-318A-34
US-09-500-700-34
US-09-500-700-36
US-09-500-700-36
US-09-500-700-36
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US-09-500-700-36
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US-09-538-092-1278
US-09-24-482-6
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US-08-24-482-6
US-08-24-482-6
US-08-24-63-482-6
US-08-24-66-348-2
US-08-24-66-348-2
US-08-24-69-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 19, Application US/09614679A; Patent No. 6492117; GENERAL INFORMATION:
APPLICANT: CHOO, YEN
APPLICANT: ISALAN, WARK
APPLICANT: BALSUBRAMANIAN, SHANKAR; APPLICANT: BALSUBRAMANIAN, SHANKAR; APPLICANT: BALSUBRAMANIAN, SHANKAR; APPLICANT: ILU, XIAOHAI; TITLE OF INVENTION: MOLECULES; FILE REFERENCE: 71278/271599; CURRENT APPLICATION UNMBER: US/09/614,679A; CURRENT FILING DATE: 2000-07-12, NUMBER OF SEQ ID NOS: 24
                                                                                                                                                                                                                                                                                                                                                                                                                     ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
      RSDHLTT 7
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Patent No. 5206152
Sequence 1, Appli
Sequence
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                                                                                                                                                      December 27, 2004, 18:12:11; Search time 15:9 Seconds (without alignments) 29:197 Million cell updates/sec
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Sequence 1, At
Sequence 70, 7
Sequence 7, At
Sequence 7, At
Sequence 7, At
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/ReCTUS.COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS.COMB.pep:*
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                                GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-139-762A-19

US-08-040-548-19

US-08-040-548-19

US-09-229-007A-95

US-10-113-424-95

US-10-113-424-95

US-08-620-151-111

US-08-620-151-111

US-08-466-344-14

US-09-058-459-1

US-09-127-926-1

US-09-127-926-1

US-09-127-926-1

US-09-127-926-1

US-09-127-926-1

US-09-127-926-1

US-09-137-1379-15

US-09-176-637-13

US-09-714-357-1

US-09-716-637-13

US-09-116-637-13

US-08-466-344-7

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US-08-466-344-8
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US-10-057-552-1
US-08-040-548-8
US-08-466-344-8
US-08-863-813A-5
US-08-676-318A-5
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                                                                                                                                                                                                                                                                                                                                                                                     478139 seqs, 66318000 residues
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                                                                                                                 - protein search, using sw model
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Maximum DB seq length: 200000000
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Patent No. 5763209

GENERAL INFORMATION:
APPLICANT: SUKhathe, Vikas P.
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS
NUMBER OF SEQUENCES: 67

CORRESPONDENCESS:
ADDRESSEE: Arnold, White & Durkee
STREET: 321 No. 5763209th Clark Street, Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 7; DB 3; Length 10;
100.0%; Pred. No. 0.017;
tive 0; Mismatches 0; Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/040,548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Coughlin, Daniel F.
REGISTRATION NUMBER: 36,111
REFERENCE/DOCKET NUMBER: arcd067
TELECHONE: (312) 744-0090
TELEPHONE: (312) 744-0090
TELEFAX: (312) 245-4961
INFORMATION FOR SEQ ID NO: 19: SEQUENCE CHARACTERISTICS:
                                                       PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV.1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG.1994
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: Amino acids
UMBER: PCT/GB95/01949
17-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 321 NO. 5763209th Clark St CITY: Chicago STATE: 111inois COUNTRY: U.S.A. ZIP: 60610 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPALIBLE COMPALIBLE COMPUTER: IBM PC COMPALIBLE COMPUTER: IBM PC COMPALIBLE COMPALIBLE COMPALIBLE COMPANIEM: PC-DOS/MS-DOS
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Best Local Similarity luv...
7; Conservative
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   APPLICATION NUMBER:
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STRANDEDNESS: si
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APPLICANT: Choo, Yen
APPLICANT: Choo, Yen
APPLICANT: Stander Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fillsbury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 7; DB 3; Length 10; 100.0%; Pred. No. 0.017; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                PELLING DATE:
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
PILING DATE: 02-UNU-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
PILING DATE: 18-UU-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
PRIOR APPLICA
                      ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US/09/139,762A
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ZIP: 2005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-139-762A-53; Sequence 53, Application US/09139762A; Patent No. 6013453
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Best Local Similarity 100.
Matches 7; Conservative
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FILE REFERENCE: 019496-001800US
CURRENT APPLICATION NUMBER: US/09/229,007A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 95
LENGTH: 21
                                                                                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
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Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                         FEATURE:
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Sequence 95, Application US/09229007A

Patent No. 6453242

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Cox III, George N.
APPLICANT: Sanjamisson, Andrew
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Protetion of Sites for Targeting by Zinc Finger
TITLE OF INVENTION: to Bind to Preselected Sites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Sukhatme, Vikas P.
APPLICANT: Sukhatme, Vikas P.
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS
NUMBER OF SEQUENCES: 67
CORRESPONDENCES: ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: 321 No. 5773583th Clark Street, Suite 800
CITY: Chicago
STATE: Illinois
CONTRY: U.S.A.
ZIP: 60610
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,344
FILING DATE: 06-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER: 08/040,548
FILING DATE: 1-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: COUGHLIA, DATA:
REGISTRATION NUMBER: 36,111
REFERENCE/DOCKET NUMBER: 36,111
REFERENCE/DOCKET NUMBER: 36,111
REFERENCE/DOCKET NUMBER: 36,111
REFERENCE/DOCKET NUMBER: 374,0000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0.
                                                                                                                                                                US-08-466-344-19; Sequence 19, Application US/08466344; Patent No. 5773583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (312) 245-4961
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
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Best Local Similarity 100.
Matches 7; Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TOPOLOGY: linear; MOLECULE TYPE: peptide
US-08-466-344-19
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                                                                 9 RSDHLTT 15
                                    RSDHLTT
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RESULT 7
US-10-113-424-95
US-10-113-424-95

Sequence 95, Application US/10113424

Patent No. 6785613

GENERAL INFORMATION:
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
TITLE OF INVENTION: Edward of Sites for Targeting by Zinc Finger APPLICANT: Sangamo Bioscience, Inc.
TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger Proteins
TITLE OF INVENTION: Desire 1019496-001800US
TITLE OF INVENTION: Desire 2002-03-28

CURRENT APPLICANTON NUMBER: US/09/229,007A

PRIOR FILING DATE: 1999-01-12

NUMBER OF SEQ ID NOS: 97

SEQ ID NO 95

LEMOTH: 21

HANDER OF SEQ ID VEY 2.1

SEQ ID NO 95
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US-10-113-424-95
OTHER INFORMATION: Description of Artificial Sequence: ZFP sequence; OTHER INFORMATION: (F1, F2 and F3) from Zif 268
US-09-229-007A-95
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Ratent No. 5928955
GENERAL INFORMATION:
APPLICANT: MALNUP, Grant K.
TITLE OF INVENTION: PEPTIDYL FLUORESCENT CHEMOSENSOR FOR TITLE OF INVENTION: DIVALENT ZINC
NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 7; DB 4; Length 21; 100.0%; Pred. No. 0.033; Live 0; Mismatches 0; Indels
                                                                                                  Length 21;
                                                                                                  100.0%; Score 7; DB 4; Length 21;
100.0%; Pred. No. 0.033;
tive 0; Mismatches 0; Indels
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Sequence 34, Application US/08466344
Sequence 34, Application US/08466344
Sequence 34, Application
Sequence 34, Application
Sequence 34, Application
STATES
SELATING
TITLE OF INVENTION:
METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION:
MUNGERS OF SEQUENCES:
ADDRESSES:
ANDRESSES:
ADDRESSES:
ADDR
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                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH 28 amino acids
TYPE: amino acids
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 10v..
7, Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: peptide
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STRANDEDNESS: si
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US-09-058-459-1
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| Sequence 34, Application US/08040548
| Sequence 34, Application US/08040548
| Patent No. 5763209
| GENERAL INFORMATION:
| APPLICANT: SUKhatme, Vikas P. TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE TITLE OF INVENTION: WINCTIONAL DOMAINS OF DNA BINDING PROTEINS NUMBER OF SEQUENCES: 67
| CORRESPONDENCE ADDRESS: ADDRESSE: ATNOIG, White & Durkee STREET: 321 No. 5763209th Clark Street, Suite 800 CITY: Chicago STATE: Illinois COUNTRY: U.S.A. ZIP: 60610
| COMPUTER: EADABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25
| CURRENT APPLICATION DATE: US/08/040,548
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100.0%; Score 7; DB 2; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.04;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                STREET: Plaza Drive
CITY: Chicago
STATE: Illinois
COMPRY: USA
ZIP: 60611-559
COMPUTER READABLE FORM:
MEDIUM TYPE: REOPY disk
COMPUTER: IBM PC COMPALIDIO
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATE: 22-MRR.1996
FILING DATE: 22-MRR.1996
CLASSIFICATION NUMBER: US/08/620,151
FILING DATE: 22-MRR.1996
CLASSIFICATION NUMBER: 8597/6
TELEPHONE: Shannon, Karen L.
NAMME: Shannon, Karen L.
REGISTRATION NUMBER: 85,675
REFERENCE/POCKET NUMBER: 85,675
TELEPHONE: 312-321-4200
TELEPHONE: SEQUENCE CHARACTERISTICS:
LENGTH: 26 amino acids
TYPE: amino acids
TYPE: Amino acids
   ADDRESSEE: BRINKS, HOFER, GILSON & LIONE
STREET: NBC Tower - Suite 3600, 455 N. Cityfront
STREET: Plaza Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAWE: COUGHLIE, DATHELF.
REGISTRATION NUMBER: 36,111
REFERENCE/DOCKET NUMBER: arcd
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 744-0090
TELEFAX: (312) 245-4961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-620-151-111
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17 RSDHLTT 23
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APPLICANT: Dahiyat, Bassil L.
APPLICANT: Obsiyat, Bassil L.
APPLICANT: Gordon, D. Benjamin
APPLICANT: Street, Arthur
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
CURRENT APPLICATION NUMBER: US/09/127,926
CURRENT FILING DATE: 1998-00-11
PRIOR PILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/061,097
PRIOR PILING DATE: 1997-10-03
PRIOR APPLICATION NUMBER: 60/061,097
PRIOR FILING DATE: 1998-04-10
PRIOR PILING DATE: 1998-06-01
PRIOR FILING DATE: 1998-06-01
NUMBER OF SED ID NOS: 99
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 1
SEQ ID NO 1
                                                                                APPLICANT: Dahlyat, Bassil I.
APPLICANT: Dahlyat, Bassil I.
APPLICANT: Dahlyat, Bassil I.
APPLICANT: Gordon, D. B.
APPLICANT: Street, Arthur
TITLE OF INVENTION: APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN
FILE REFERENCE: A65353-3/RFT/RMS/SJR
CURRENT FILING DATE: 2000-04-10
PRIOR PILING DATE: 1997-04-11
PRIOR PELICATION NUMBER: 60/044,678
PRIOR PELICATION NUMBER: 60/054,678
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1, Application US/09127926
Patent No. 6269312
GENERAL INFORMATION:
Sequence 1, Application US/09058459
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Best Local Similarity 100.
Matches 7; Conservative
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14 RSDHLTT 20
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                                    Patent No. 6188965
GENERAL INFORMATION:
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14 RSDHLTT 20

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Sequence 15 Application Us/090371798
Sequence 15 Application Us/090371798
SEQUENCE 15 Application Us/090371798
SEQUENCE 17 Coll. Katherine N. APPLICANT: Decrease The Coll. M. APPLICANT: Pelletist. Jerry N. APPLICANT: Belletist. Jerry N. APPLICANT: Belletist. Jerry N. APPLICANT: Decrease N. Marie N. Marie
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US-09-714-357-1
; Sequence 1, Application US/09714357
; Patent No. 6708120
; GENERAL INFORMATION:
; APPLICANT: Mayo, Stephen L.
; APPLICANT: Dahiyat, Bassil I.
; APPLICANT: Street, Arthur
; TITLE OF INVENION: APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN
; TILE REFERENCE: A65353-3/RFT/RMS/SJR
; CURRENT APPLICATION NUMBER: US/09/714,357
; CURRENT APPLICATION NUMBER: 09/058,459
; PRIOR FILING DATE: 1998-04-10
; PRIOR FILING DATE: 1997-08-04
; PRIOR PELICATION NUMBER: 60/054,678
; PRIOR APPLICATION NUMBER: 60/054,678
; PRIOR APPLICATION NUMBER: 60/061,097
; PRIOR APPLICATION NUMBER: 60/061,097
; RIOR PELING DATE: 1997-10-03
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PATENTIN VET: 2.1
; SEQ ID NO 1
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Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 7; Conservative 0; Mismatches 0; Indels
Query Match
100.0%; Score 7; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 7; Conservative 0; Mismatches 0; Indels
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                                                                                 ; TYPE: PRT
; ORGANISM: Mouse
US-09-714-357-1
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APPLICANT: Case, Case
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                                                                                                                                                                                                                                                            December 27, 2004, 18:12:11 ; Search time 15.9 Seconds (without alignments) 29:197 Million cell updates/sec
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
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/cgn2_6/ptodata/1/iaa/pcTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        478139 segs, 66318000 residues
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                                                                                                                                                                              OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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LENGTH: 7
TYPE: PRT
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SBS1
; OTHER INFORMATION: recognition helix
US-09-731-558-12

Query Match
Guery Match
Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps

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Db 1 RSDALTR 7

Search completed: December 27, 2004, 19:21:20
Job time: 15.9 secs
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Patent No. 6503717

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Case, Casey Christopher

APPLICANT: Liu, Qiang

APPLICANT: Liu, Qiang

APPLICANT: Edward J.

APPLICANT: Rebar, Edward J.

FULE REFERENCE: 019496-003210US

TITLE OF INVENTION: Proteins for the Identification of Gene Function

TITLE OF INVENTION: Proteins for the Identification of Gene Function

FILE REFERENCE: 019496-003210US

CURRENT APPLICATION NUMBER: US/09/731,558

CURRENT FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 24

SEQ ID NOS: 24

LENGTH: 7
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Sequence 32, Appl
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                                                                                                                         ; Search time 15.8 Seconds (without alignments) 29.381 Million cell updates/sec
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1: /cgn2_6/ptodatea1/liaa/5A_COMB.pep:*
/cgn2_6/ptodate1/liaa/5B_COMB.pep:*
3: /cgn2_6/ptodata1/liaa/6A_COMB.pep:*
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5: /cgn2_6/ptodate1/liaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodate1/liaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-716-637-32
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                                                                                                                             December 27, 2004, 17:02:31
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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Score Match Length DB
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US-09-731-558-19
                                                                                                                                                                                                                    Title:
Perfect score:
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No.
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                                                                                                               December 27, 2004, 17:02:30 ; Search time 66.75 Seconds
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                              2002273 segs, 358729299 residues
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                                                                           OM protein - protein search, using
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Maximum DB seq length: 2000000000
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Perfect score:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

geneseqp2002s:* geneseqp2003as:* geneseqp2003bs:* geneseqp2004s:*

geneseqp2000s:*geneseqp2001s:*

SUMMARIES

					SOMETHINGS	
Result No.	Score	Query Match	Length	DB	ID	Description
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7	7	100.0	7	S	ABP48774	Zinc
m	7	100.0	7	ഹ	ABP48777	Zinc
4	7	100.0	7	'n	ABP48780	Zinc
5	7	100.0	7	ហ	ABP49029	Zinc
9	7	100.0	7	Ŋ	ABP48396	Zinc
7	7	100.0	7	ഗ	ABP49134	Zinc
60	7	100.0	7	Ŋ	ABP48397	Zinc
6	7	100.0	7	S	ABP49056	
10	7	100.0	7	ß	ABP48398	Abp48398 Zinc fing
11	7	100.0	7	Ŋ	ABB07125	_
12	7	100.0	7	ហ	AAB47808	Aab47808 VEGF3a/1
13	7	100.0	7	Ŋ	AAB47802	VEGF-1
14	7	100.0	7	ß	ABJ03904	Abj03904 Human VEG
15	7	100.0	7	រប	ABJ03800	Abj03800 Human VEG
16	7	100.0	7	Ŋ	ABJ03802	Human
17	7	100.0	7	ß	ABJ03801	Abj03801 Human VEG
18	7	100.0	7	9	AAE30448	VEGF 8
19	7	100.0	7	9	ABO01200	Abo01200 Human VEG
. 50	7	100.0	7	9	AB001097	Abo01097 Human VEG
21	7	100.0	7	9	ABO01096	Abo01096 Human VEG
22	7	100.0	7	છ	ABO01098	Abo01098 Human VEG
23	7	100.0	7	9	ABO14460	Abol4460 Human VEG
24	7	100.0	7	9	ABO14461	Abol4461 Human VEG
25	7	100.0	7	ø	ABO14462	Abol4462 Human VEG

Human		Ada62760 Zinc fing	Ada62844 Zinc fing		Ada62222 Zinc fing			Zinc	Zinc	Ada62853 Zinc fing	Adm21047 Synthetic	Adm21057 Synthetic	Adm20965 Synthetic	Adm21048 Synthetic	Adm20426 Synthetic	Adm20964 Synthetic	Adm20428 Synthetic	Adm20427 Synthetic	Adm21083 Synthetic	
AB014564	ADA62761	ADA62760	ADA62844	ADA62879	ADA62222	ADA62759	ADA62224	ADA62223	ADA62843	ADA62853.	ADM21047	ADM21057	ADM20965	ADM21048	ADM20426	ADM20964	ADM20428	ADM20427	ADM21083	
9	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	

ALIGNMENTS

New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus. Zinc finger protein; ZFP; DNA binding protein; zinc finger. Zinc finger protein related peptide motif SEQ ID NO:814. ABP49026 standard; peptide; 7 AA. (SANG-) SANGAMO BIOSCIENCES INC. 20-NOV-2001; 2001WO-US043438. 20-NOV-2000; 2000US-00716637. (first entry) WPI; 2002-500284/53. WO200242459-A2. Homo sapiens. 28-AUG-2002 30-MAY-2002. Synthetic ABP49026; Liu Q; **ABP49026**

Example 1; Page 45; 81pp; English.

The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) zinc finger, ordered F1, F2, F3 from N-terminus to C-terminus, where the target site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (1) a polypeptide (II) comprising (M); (2) a polymucleotide (III) encoding (I) or (II); and (A) designing (M) (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it binds to the S2 target subsite, and selecting the F3 zinc finger such that it binds to the S3 target subsite, thus designing (I) that binds to the sate such a selecting the F3 zinc finger such that it binds to the S3 target subsite, thus designing (I) that binds to having the nucleotide G in the 5'-most position of the subsites (I) is useful in studying gene function, and for human therapeutics and plant

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The present invention describes a zinc finger protein (I) that binds to a carget site, comprising a first (F1), a second (F2), and a third (F3) zinc finger, ordered F1, F2, F3 from N-terminus to C-terminus, where the target site comprises, in 3-5 direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (1) a polypeptide (II) comprising (I), (2) a polynucleotide (III) encoding (I) or (II); and (S1) carget subsite, and selecting the F1 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it binds to the S3 target subsite, and selecting the F3 zinc finger such that it binds to the S3 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to useful in studying gene function, and for human therapeutics and plant cusquing the expression of a target region within a subject, in a sumple, and in assays to determined the phenotype and function of in a sample, and in assays to determined the phenotype and supparts.
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engineering. (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of gene expression. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity. ABQ71213 to ABQ72131 and ABQ72131 and ABQ72131 and ABQ72131 to ABQ72130 represent DNA target sequences and zinc finger peptides which are given in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            useful in studying engineering, comprises N- to C-terminus.
                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New zinc finger protein that binds to target site, gene function and for human therapeutics and plant first, second and third zinc fingers, ordered from
                                                                                                                                                                                                                                         DB 5; Le
1.7e+06;
                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                         Score 7;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABP48774 standard; peptide; 7 AA.
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                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                         Local Similarity
les 7; Conserv
                                                                                                                                                                                                                                                                                                                       1 TTSNLRR 7
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                                                                                                                                                                                                      Sequence 7 AA;
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                                                                                                                                                                   invention
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                                                                                                                                                                                                                                           Query Match
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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) and carine finger, ordered FI, F2, F3 from N-terminus to C-terminus, where the target site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (CT) comprising (I); (2) a polyhoucleotide (III) encoding (I) or (II); and (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it comparison (I) is useful for recognition of triplet target subsites that it binds to the S3 target subsite, thus designing (I) that binds to the S3 target subsite, thus designing (I) that binds to the S3 target subsite, thus designing (I) that binds to the target sibsite, thus designing (I) that binds to the target subsite, thus designing (I) that binds to useful in studying gene function, and for human therapeutic and plant engineering (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of an assays to ABQ12213 to ABQ12214 and ABBQ1231 to ABBQ12213 to ABQ12214 and ABBQ12310 represent CT finger peptides which are given in the exemplification of the present
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gene expression. (1) has improved affinity and specificity for their target sequences, as well as enhanced biological activity, ABQ71213 to ABQ72214 and ABP48191 to ABP51230 represent DNA target sequences and zinc finger peptides which are given in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zinc finger protein related peptide motif SEQ ID NO:731.
                                                                                                                                                             100.0%; Score 7; DB 5; Le
100.0%; Pred. No. 1.7e+06;
                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 42; 81pp; English
                                                                                                                                                                                                                                                                                                                                                                                  ABP48777 standard; peptide; 7 AA.
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Best Local Similarity luv...
7; Conservative
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                                                                                                                                                                                                                                                                                 1 TTSNLRR 7
                                                                                                                                                                                                                                              TTSNLRR
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                                                                                                                          Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sapiens.
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                                                                                  invention
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Length 7;

Query Match

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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) are dinger, ordered F1, F2, F3 from N-terminus to C-terminus, where the carget site comprises, in 3'-5' direction, a first (SI), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (CI) comprising (I); (2) a polynuclectide (III) encoding (I) or (II); and (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it conditions to the S3 target subsite, and selecting the F2 zinc finger such that it binds to the S3 target subsite, and selecting the F2 zinc finger such that it conditions to the S3 target subsite, thus designing (I) that binds to that it binds to the S3 target subsite, in the designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites (I) a target subsite, thuman therapeutic methods to useful in studying gene function, and for human therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of target sequences, as well as enhanced biological activity. ABG71213 to target sequences, as well as enhanced biological activity, ABG71213 to increase.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
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                                                                   100.0%; Score 7; DB 5; Length 7; 100.0%; Pred. No. 1.7e+06; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                          Zinc finger protein related peptide motif SEQ ID NO:732.
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                                                                                                                                                                                                                                                                                 ABP48780 standard; peptide; 7 AA
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                                                                     Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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Sequence 7 AA;

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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (F1), a second (F2), and a third (F3) carget site, comprises, in 3.-2 direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a second (S2), and a third (S3) target subsite. Also described are: (I) a polypepide (II) comprising (I); (2) a polynucleotide (III) encoding (I) or (II); and (I) comprising (M) (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it binds to the S2 target subsite, selecting the F3 zinc finger such that it comprise to the S1 target subsite, thus designing (I) that binds to the S2 target subsite, thus designing (I) that binds to the S2 target subsite, thus designing (I) that binds to the S2 target subsite, thus designing (I) that binds to that it binds to the S2 target subsite, thus designing (I) that binds to a target set signing (I) that binds to useful in studying gene function, and for human therapeutic methods to custing the mucleotide G in the S'-most position of the subsite. (I) is useful to recognition of the subsite, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of diagnostic methods for sequence specific detection of target sequences, as well as enhanced biological activity. AB071213 to target sequences as well as enhanced biological activity. AB071213 to incomption in the exemplification of the present
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                                                                          Gaps
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                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zinc finger protein related peptide motif SEQ ID NO:815.
100.0%; Score 7; DB 5; Le
100.0%; Pred. No. 1.7e+06;
                                                                       Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                     ABP49029 standard; peptide; 7 AA.
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Best Local Similarity 100.
Matches 7; Conservative
                                                                          Conservative
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Zinc finger protein; ZFP; DNA binding protein; zinc finger.
                                                                                                                         Zinc finger protein related peptide motif SEQ ID NO:850.
                                    ABP49134 standard; peptide; 7 AA.
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                                                                                                                                                                                                                                                                                          20-NOV-2001; 2001WO-US043438
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                                                                                               28-AUG-2002 (first entry)
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                                                                                                                                                                                      Homo sapiens.
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                                                                                                                                                                                                   Synthetic.
                                                                   ABP49134;
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                       ABP4913
                                                       ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) ainc finger, ordered F1, F2, F3 from N-terminus to C-terminus, where the target site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (II) comprising (I); (2) a polynucleotide (III) encoding (I) or (II); and (I) comprising (M) (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it binds to the S2 target subsite, and selecting the F3 zinc finger such that it binds to the S3 target subsite, thus designing (I) that binds to a target site (I) is useful for recognision of triplet target subsites (I) that binds to a target subsite, thus designing (I) that binds to a target full for recognision of the subsite. (I) is useful in studying gene function, and for human therapeutics and plant engineering. (I), (II) or (III) is useful in herapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of gene expression. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity. ABQ71213 to ABP31214 and ABP48191 to ABP51230 represent DNA target sequences and zinc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
                                                                                                                                                                                                                    Zinc finger protein; ZFP; DNA binding protein; zinc finger.
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                                                                                                                                                                                      Zinc finger protein related peptide motif SEQ ID NO:193.
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                                                                                                  ABP48396 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                 (SANG-) SANGAMO BIOSCIENCES INC.
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Best Local Similarity
TTSNLRR 7
                  TTSNLRR
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                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                            28-AUG-2002
                                                                                                                                                                                                                                                                                                                          30-MAY-2002.
                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                               ABP48396;
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Liu O;
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Matches
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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) cardered FT, F2, F3 from N-terminus to C-terminus, where the carget site comprises, in 3'-5' direction, a first (SI), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (CC (II) comprising (I); (2) a polyhucleotide (III) encoding (I) or (II) is and to the S1 target subsite, selecting the F1 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it comparison (I) is useful for recognition of triplet target subsites that it binds to the S3 target subsite, thus designing (I) that binds to that it binds to the S3 target subsite, thus designing (I) that binds to that it binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites (CC a target site) in studying gene function, and for human therapeutic and plant engineering (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of target sequences, as well as enhanced bological activity. ABQ71213 to target peptides which are given in the exemplification of the present
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                                                                                New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
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                                                                                                                                                                                                                                                                                        Example 1; Page 46; 81pp; English.
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WPI; 2002-500284/53.
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Best Local Similarity
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TTSNLRR 7 g

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RESULT 8 ABP48397 ID ABP

ABP48397 standard; peptide; 7 AA.

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New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
                                               Zinc finger protein; ZFP; DNA binding protein; zinc finger.
             Zinc finger protein related peptide motif SEQ ID NO:824.
                                                                                                                                                                                                                                                                                  (SANG-) SANGAMO BIOSCIENCES INC.
                                                                                                                                                                                                                                                  20-NOV-2000; 2000US-00716637.
                                                                                                                                                                                                              20-NOV-2001; 2001WO-US043438.
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                                                                                                                                         WO200242459-A2.
                                                                                    Homo sapiens.
Synthetic.
                                                                                                                                                                           30-MAY-2002.
                                                                                                                                                                                                                                                                                                                          Liu 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) time finger, ordered F1, F2, F3 from N-terminus to C-terminus, where the target site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (C (II) comprising (I); (2) a polynucleotide (III) encoding (I) or (II); and (I) comprising (M) (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it binds to the S3 target subsite, and selecting the F3 zinc finger such that it binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites having the nucleotide G in the 5'-most position of the subsites (I) at such a full or (III) is useful in studying gene function, and for human therapeutics and plant modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determine the phenotype and function of target such and in assays to determine the perpension of target region within a subject of the control of target such and in assays to determine the subsider for the such and a sample, and function of target such and a such a such and a such and a such and a such and a such a such and a such a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
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                                                                                        Zinc finger protein related peptide motif SEQ ID NO:194.
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Best Local Similarity 100.
                                                        (first entry)
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                                                                                                                                                                                                                    WO200242459-A2.
                                                                                                                                                                 Homo sapiens.
                                                      28-AUG-2002
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                                                                                                                                                                                  Synthetic.
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                    ABP48397;
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target site, comprising a first (FI), a second (F2), and a third (F3) carget site, comprising a first (FI), a second (F2), and a third (F3) carget site, ordered F1, F3 from N-terminus to C-terminus, where the carget site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3), and third (S3) target subsite. Also described are: (1) a polypeptide (II) comprising (I); (2) a polymucleotide (III) encoding (I) or (II); and (S3), as a polymucleotide (III) encoding (I) or (III); and (S3) target subsite, selecting the F1 zinc finger such that it comprises at target subsite, selecting the F2 zinc finger such that it coming to the S3 target subsite, selecting the F3 zinc finger such that it coming to the S3 target subsite, thus designing (I) that binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites (setul in studying gene function, and for human therapeutics and plant useful in studying gene function, and for human therapeutic methods to modulate the expression of a target region within a subject, in condinate the expression of a target region within a subject, in a sample, and in assays to determined the phenotype and function of gene expression. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity. ABG71213 to the present continuation of the present continuation of the present can also also and a perior of the present can also also and a perior of the present continuation of the present can also and a perior of the present and a per
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                                                                                        The present invention describes a zinc finger protein (I) that binds to a
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100.0%; Pred. No. 1.7e+06;
iive 0; Mismatches 0;
Example 1; Page 45; 81pp; English
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The invention provides a method of modifying a region of interest in cellular chromatin that involves contacting the cellular chromatin with a cellular chromatin that involves contacting the cellular chromatin with a cellular chromatin with a cellular chromatin had binds to a binding site in the region of interest, where the fusion molecule comprises a DNA binding domain and a component of a chromatin remodeling complex or its functional fragment, which condifies the region of interest. The method is useful for modifying a region of interest, in particular a gene encoding a product such as vascular endothelial growth factor, erythropoietin, androgen receptor, percoxisome proliferator-activated receptor (PPAR-gamma2), pl6, p53, pRb, dystrophin and c-cadherin in cellular chromatin present in a plant, animal or human cell. The chromatin modification facilitates detection of activation or repression of a gene of interest or recombination between an exogenous nucleic acid and cellular chromatin. It also results in generation of an accessible region in the cellular chromatin which facilitates binding of an exogenous molecule such as polypeptides, cucleic acids, small molecule therapeutics, minor groove binders, major groove binders and intercalators. The fusion molecule may be used for complianting expression of a gene and for binding an exogenous molecule to a binding site located within a gene in cellular chromatin.

Polynucleotides encoding the fusion polypeptide are useful for gene therapy to modulate gene expression, for therapeutic retinopathy, macular degeneration, rheumatoid arthritis, psoriasis, HIV infection, along a capture of a planting a gene of second arthritis, psoriasis, HIV infection, along a capture of the provides and for a capture of the planting expression of a gene of capture in cellular chromating and provide and cellular chromating and planting expression of a second and expense and planting expression of a gene and for therapeutic acide, second and expense expression of a defense expression o
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Modification of chromatin structure for facilitating transcription, replication and repair, comprises contacting chromatin with fusion molecule comprising DNA binding domain and component of a chromatin
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                                                                                                                                                                                                                                                                                                                                         (SANG-) SANGAMO BIOSCIENCES INC.
                                                                                                                                                                                                                                            28-APR-2000; 2000US-0200590P.
28-AUG-2000; 2000US-0228523P.
                                                                                                                                                                                 27-APR-2001; 2001WO-US040616
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Matches 7; Conservative
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Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (F1), a second (F2) and a third (F3) and a third (F3) in thinger, ordered F1, F2, F3 from N-terminus to C-terminus, where the carget site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (II) comprising (I); (2) a polynucleotide (III) encoding (I) or (II) and (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it binds to the S1 target subsite, and selecting the F3 zinc finger such that it conditions to the S3 target subsite, and selecting the F2 zinc finger such that it binds to the S3 target subsite, thus designing (I) that binds to that it binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites (C5 a target site. (I) is useful in therapeutic methods to useful in studying gene function, and for human therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of the sequences, as well as enhanced biological activity. AB071213 to AB072214 and AB072214 and AB072214 and AB072214 or their condition of the present increase.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VEGF; chromatin; cytostatic; vasotropic; antidiabetic; ophthalmological; antirheumatic; antiarthritic; antipsoriatic; anti-HIV; antisickling; neuroprotective; nootropic; cerebroprotective; antibacterial; fungicide; virucide; gene therapy; Veg 1; zinc finger.
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                                                                                                                                                                                                                                                                                                            20-NOV-2000; 2000US-00716637.
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                       WO200242459-A2.
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                                sapiens.
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                                                          Synthetic.
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                                Ношо
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ò 엄 VEGF-1 zinc finger domain F4.

25-MAR-2002 (first entry)

AAB47802;

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Target site; transcriptional effector protein; zinc finger domain; human; vascular endothelial growth factor; VEGF; cellular chromatin; gene expression; sequence-specific; DNA binding protein; phenotype; copy number; p53; cancer; gene function.
                                                                                                                                                                                                                      Binding an exogenous molecule (EM) to a binding site located within a region of interest in chromatin, useful for modulating gene expression, by identifying an EM target site within an accessible region and introducing the EM into the cell.
                                                                                                                                                                                                                                                                      Example 8; Page 25; 50pp; English
                                                                                                                                                                                     Case CC;
                                                                                                                                                                  (SANG-) SANGAMO BIOSCIENCES INC.
        VEGF3a/1 zinc finger domain F4.
                                                                                                                                                28-APR-2000; 2000US-0200590P.
                                                                                                                             27-APR-2001; 2001WO-US013631
                                                                                                                                                                                     Raschke E, Wolffe AP,
                                                                                                                                                                                                      WPI; 2002-066534/09
                                                                                         WO200183751-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7 AA;
                                                                                                           08-NOV-2001.
                                                                        Synthetic
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The sequences given in AAB47802-16 represent zinc finger domains derived from transcriptional effector proteins. These transcriptional effector proteins. These transcriptional effector proteins. These transcriptional effector transcriptional initiation site of the human vascular endothelial growth factor (VEGF) gene. Target site #1 was bound by a binding domain containing six zinc fingers, named VEGF3a/1. Target site #2 was bound by a three-finger zinc finger domain, VEGF-1, and a control six-finger containing proteins were used to demonstrate the method of the invention for binding an exception molecule (EM) to a binding site (BS), where the BS is located within a region of interest in cellular chromatin. The method comprises identifying an accessible region within the accessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region in cellular chromatin can be used for detection of a particular sequence, for example, and exogenous molecule, such a sequence-specific DNA binding protein, can be used to detect variant alledes associated with a disease or with a particular phenotype in the presence of pathological miscrooraganisms in cellular proteins molecule.
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100.0%; Score 7; DB 5; Length 7; 100.0%; Pred. No. 1.7e+06;
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 Query Match
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AAB47802 standard; peptide; 7 AA.
TTSNLRR 7
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The sequences given in AAB47802-16 represent zinc finger domains derived from transcriptional effector proteins. These transcriptional effector proteins. These transcriptional effector proteins. These transcriptional effector proteins. These transcriptional initiation site of the human vascular endothelial growth factor (VEGF) gene. Target site #1 was bound by a binding domain of factor (VEGF) gene. Target site #1 was bound by a binding domain of a three-finger and finger domain, VEGF-1, and a control six-finger containing proteins were used to demonstrate the method of the invention for binding an exogenous molecule (EM) to a binding site (BS), where the BS is located within a region of interest in callular chromatin. The method comprises identifying an accessible region within the region of interest, identifying a target site for the EM within the concessible region, and introducing the EM into the Cell, where the EM cacessible region, and introducing the EM into the cell, where the EM cacessible region of suscent of suscences general expension by administering an exogenous molecule. The binding of an exogenous molecule. The binding of an exogenous molecule contained is useful for modulating gene expression by a daministering an exogenous molecule. The binding of an exogenous molecule contained in a sample, an exogenous molecule, such as a calleles associated with a disease or with a particular phenotype in clinical samples and to detect the presence of pathological microorganisms in confinent samples and to detect the presence of pathological microorganisms in confinity to cancer. The methods can also be used to quantify concernine gene in a clinical sample, an indicator of susceptibility to cancer. The methods can also be used in assays to determine gene function and to determine changes in phenotype resulting
                                                                                                                                             Target site; transcriptional effector protein; zinc finger domain; human; vascular endothelial growth factor; VEGF; cellular chromatin; gene expression; sequence-specific; DNA binding protein; phenotype; copy number; p53; cancer; gene function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Binding an exogenous molecule (EM) to a binding site located within a region of interest in chromatin, useful for modulating gene expression, by identifying an EM target site within an accessible region and introducing the EM into the cell.
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100.0%; Pred. No. 1.7e+06;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New zinc finger protein that binds to target site in vascular endothelial growth factor gene, useful for modulating expression of the gene and for treating atherosclerosis, ischemia, arthritis, wound or ulcer.
                                                                                                                                                  Zinc finger protein; angiogenesis; vasculogenesis; ischaemia; diabetic retinopathy; psoriasis; arthropathy; cancer; tumour growth; gene therapy; antiatherosclerotic; vasotropic; antiarthritic; vulnerary; antiulcer; cytostatic; antipsoriatic; antidiabetic; ophthalmological; osteopathic; antiinfertility.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to a zinc finger protein that binds to a target site in one or more vascular endothelial growth factor (VBCF) genes. The protein is useful for modulating expression of a VEGF gene, thereby regulating angiogenesis and vasculogenesis. This can be used to treat atherosclerosis, ischaemia, arthritis, wounds, ulcers, tumours, diabetic retinopathy or psoriasis. The present sequence is a peptide shown in the invention
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                                                                                                                       Human VEGF-targeted zinc finger protein fragment SEQ ID NO: 161.
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                              ABJ03904 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                (SANG-) SANGAMO BIOSCIENCES INC
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12-DEC-2000; 2000US-00736083.
30-APR-2001; 2001US-00846033.
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Jarvis E;
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New zinc finger protein that binds to target site in vascular endothelial growth factor gene, useful for modulating expression of the gene and for treating atherosclerosis, ischemia, arthritis, wound or ulcer.
     vulnerary;
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gene therapy, antiatherosclerotic; vasotropic; antiarthritic; vulnera:
antiulcer; cytostatic; antipsoriatic; antidiabetic; ophthalmological;
osteopathic; antiinfertility.
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                                                                                                                                                                                                                                                                                   (SANG-) SANGAMO BIOSCIENCES INC.
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US-09-229-037-15
Sequence 15, Application US/09229037A
Sequence 15, Application US/09229037A
Sequence 15, Application US/09229037A
Sequence 15, Application:
APPLICANT: Case, Casey Christopher
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APPLICANT: Case, Casey Christopher
APPLICANT: Sangame Bioscience P.
APPLICANT: Sangame Biosciences, Inc.
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APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Jarvis, Eric E.
APPLICANT: Jarvis, Enc. E.
APPLICANT: Jarvis, Enc. E.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REFERENCE: 8325-0002.10 / S2-US3
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT PILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-229-037-15
                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F1
US-09-716-637-27
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100.0%; Pred. No. 0.91;
iive 0; Mismatches
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ORGANISM: Artificial Sequence
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SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 27
LENGTH: 7
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity
7; Conserv?
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LENGTH: 99
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Sequence 15, Appl
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Sequence 18, Appl
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Sequence 27, Application US/09716637

Sequence 77, Application US/09716637

APPLICANT: EISENBERG, Stephen P.

APPLICANT: LIU, Olang

APPLICANT: JAMIESON, Andrew

APPLICANT: AMIESON, Andrew

APPLICANT: TILL OF INVENTION: ITERATURE OPTIMIZATION IN THE DESIGN OF BINDING

TILLE OF INVENTION: PROTEINS

FILE REFERENCE: 3225-0020

CURRENT APPLICANTION NUMBER: US/09/716,637

CURRENT FILING DATE: 2011-10-12

NUMBER OF SEQ ID NOS: 35
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.: /cgn2 6/ptodata1/liaa/5B_COMB.pep:*
.: /cgn2 6/ptodata71/liaa/6A_COMB.pep:*
.: /cgn2 6/ptodata71/liaa/6B_COMB.pep:*
.: /cgn2 6/ptodata71/liaa/PCTUS_COMB.pep:*
.: /cgn2 6/ptodata71/liaa/PCTUS_COMB.pep:*
                                         GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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Sequence 30, Application US/09229037A

Patent No. 6534261

GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zanc Proper Proteins
FILE REFRENCE: 019496-002200US
CURRENT FILING DATE: 1999-01-12

NUMBER OF SEQ ID NOS: 40

SEQ ID NO 30

LENGTH. 196
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US-09-779-233-3
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                                  FEATURE:
COTHER INFORMATION: Description of Artificial Sequence: VEGF1
O'THER INFORMATION: construct targeting upstream 9-base pair
O'THER INFORMATION: site in VEGF promoter
US-09-478-681-15
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Patent No. 668958
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3
LENGTH: 99
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ORGANISM: Artificial Sequence
TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 7; Conservative
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Matches 7; Conservative
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US-09-229-037-30
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US-09-779-233-3
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US-09-478-681-30
i Sequence 3.0 Application US/09478681
j Patent No. 6607882
j GENERAL INFORMATION:
i APPLICANT: Cox III, George N.
j APPLICANT: Eisenberg, Stephen P.
j APPLICANT: Bisenberg, Stephen P.
j APPLICANT: By Spratt, Sharon K.
j TITLE OF INVENTION: REGULATION FOR ENDOGENOUS GENE EXPRESSION IN CELLS
j TITLE OF INVENTION: USING ZINC FINGER PROTEINS
j TITLE OF INVENTION: USING ZINC FINGER PROTEINS
j TITLE OF INVENTION USING ZINC FINGER PROTEINS
j CURRENT APPLICATION NUMBER: US/09/478,681
j CURRENT FILING DATE: 2000-01-06
j SOFTWARE: Patentin Ver. 2.0
j SEQ ID NO 30
j LENGTH: 196
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Query Match
100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233

Sequence 18, Application US/09779233

GENERAL INFORMATION:

APPLICANT: Case, Casey

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

FILE REPERENCE: 8225-0010

CURRENT PILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 18

LENGTH: 196
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Search completed: December 27, 2004, 18:12:06 Job time : 16.8 secs

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Length 7;

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Scoring table:

Word size :

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Perfect score:

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Sequence:

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Endogenous Gene Expression in Cells Using
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| Sequence 15, Application US/09478681
| Patent No. 6607882
| GENERAL INFORMATION:
| APPLICANT: Cox III, George N.
| APPLICANT: Eisenberg, Stephen P.
| APPLICANT: Darvie Eisenberg, Stephen P.
| APPLICANT: Spratt, Sharon K.
| APPLICANT: Spratt, Sharon K.
| TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS:
| TITLE OF INVENTION: USING ZINC FINGER PROTEINS:
| TITLE REPERENCE: 8325-0002.10 / 82-US3
| CURRENT APPLICATION NUMBER: US/09/478,681
| CURRENT FILING DATE: 2000-01-06
| NUMBER OF SEQ ID NOS: 43
| SOFTWARE: Patentin Ver: 2.0
| SEQ ID NO 15
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                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence: VEGF-I
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100.0%; Pred. No. 0.91;
ive 0; Mismatches 0; Indels
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GENERAL INFORMATION:
APPLICANT: Cox III, George No. 6534261bert
APPLICANT: Case, Casey, Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
TITLE OF INVENTION: Regulation of Endogenous CITLE OF INVENTION: Zinc Finger Proteins
TITLE OF INVENTION: Zinc Finger Proteins
TITLE OF INVENTION: 210 Finger Proteins
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SEQ ID NO 15
LENGTH: 99
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Patent No. 6534261
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ORGANISM: Artificial Sequence
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 27
LENGTH: 7
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US-09-229-037-15
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Sequence 15, P
Sequence 3, Ag
Sequence 30, P
Sequence 30, P
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APPLICANT: EISENBERG, Stephen P.
APPLICANT: LIU, Qiang
APPLICANT: LIU, Qiang
APPLICANT: LEGAR, Edward
TITLE OF INVENTION: TERBAR, Edward
TITLE OF INVENTION: PROTEINS
FILE REPERBNCE: 825-0020
CURRENT APPLICATION NUMBER: US/09/716,637
NUMBER OF SEQ ID NOS: 35
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                                 GenCore version 5.1.6 (c) 1993 - 2004 Compugen Ltd.
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US-09-637-15

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                                                                                                                                  OM protein - protein search, using sw model
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Patent No. 6794136
GENERAL INFORMATION:
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Maximum DB seq length: 2000000000
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Match Length DB
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Best Local Similarity 100.
Matches 7; Conservative
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APPLICANT: Case, Casey Christopher APPLICANT: Eisenberg, Stephen P. APPLICANT: Spratt, Sharon Kaye

APPLICANT: Spratt, Sharon Kaye

APPLICANT: Sangamo Biosciences, Inc.

TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using FILE REFERENCE: 019496-002200US; FILE REFERENCE: 019496-002200US; CURRENT PAPLICANTON NUMBER: US/09/229,037A; CURRENT FILING DATE: 1999-01-12; NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIN Ver. 2.0

SOFTWARE: PATENTH: 196
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                                                                  OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
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US-09-779-233-3
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100.0%; Score 7; DB 4; Length 99;
Best Local Similarity 100.0%; Pred. No. 0.91;
Matches 7; Conservative 0; Mismatches 0; Indels
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APPLICANT: Case, Casey
TITLE OF INVENTION:
FILE REPERENCE: 8325-0010
CURRENT APPLICATION UNMER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3
LENGTH: 99
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Patent No. 6689558
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  TYPE: PRT
ORGANISM: Artificial Sequence
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US-09-229-037-30
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US-09-779-233-3
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| Sequence 3.0, Application US/09478681
| Patent No. 6607882
| GENERAL INFORMATION:
| APPLICANT: Case, Casey Christopher; APPLICANT: Gase, Casey Christopher; APPLICANT: Bisenberg, Stephen P. APPLICANT: Byratt, Sharon K. APPLICANT: Byratt, Sharon K. TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS: TITLE OF INVENTION: USING ZINC FINGER PROTEINS: TITLE OF INVENTION: USING ZINC FINGER PROTEINS: TITLE OF INVENTION UNBER: US(09/478,681); CURRENT FILING DATE: 2000-01-06; NUMBER OF SEQ ID NOS: 43; SOFTWARE: PatentIn Ver. 2.0; SEQ ID NO 30; LENGTH: 196
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Length 196,
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iive 0; Mismatches
  DB 4;
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; Patent No. 668958
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8225-0010
; CURRENT PAPLICATION NUMBER: US/09/779,233
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 18
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  100.0%; Score 7; DB 4, 100.0%; Pred. No. 1.6;
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
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Search completed: December 27, 2004, 18:12:05 Job time : 15.8 ${\tt secs}$

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Title: Perfect score:

Sequence:

Scoring table:

Word size :

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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cax III, George No. 6534261bert
APPLICANT: Case, Casey Christopher
APPLICANT: Sisenberg, Stephen P.
APPLICANT: Sisenberg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Soratt, Sharon Kaye
Inc.
APPLICANT: Soratt, Statement Sequences, Inc.
TITLE OF INVENTION: Zinc Finger Proteins
FILE REPERENCE: 101946-002200US
CURRENT APPLICANT: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 15
LENGTH: 99
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| Sequence 15. Application US/09478681
| Patent No. 6607882
| GENERAL INFORMATION:
| APPLICANT: Cox III, George N.
| APPLICANT: Case, Casey Christopher
| APPLICANT: Bisenberg, Stephen P.
| APPLICANT: Spratt, Sharon K.
| TITLE OF INVENTION: USING ZINC FINGER PROTEINS
| TITLE OF INVENTION: USING ZINC SINGER PROTEINS
| TITLE REPERENCE: 8325-0002.10 / 83-US3
| CURRENT APPLICATION NUMBER: US/09/478,681
| CURRENT FILING DATE: 2000-01-06
| NUMBER OF SEQ ID NOS: 43
| SOFTWARE: Patentin Ver. 2.0
| SEQ ID NO 15
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                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F1
US-09-716-637-27
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/ Sequence 15, Application US/09229037A
/ Patent No. 6534261
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ORGANISM: Artificial Sequence
                                                                                TYPE: PRT ORGANISM: Artificial Seguence
SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 27 LENGTH: 7
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                                                                                                                                  FEATURE:
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Sequence 15, Appl
Sequence 3, Appli
Sequence 30, Appli
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Sequence 18,
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Patent No. 6794136

GENERAL INCORMATION:

APPLICANT: ELIGENBERG, Stephen P.

APPLICANT: LIU, Qiang

APPLICANT: AMIESON, Andrew

APPLICANT: REBAR, Edward

TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING

TITLE OF INVENTION: PROTEINS

FILE REFERENCE: 8325-0020

CURRENT APPLICATION NUMBER: US/09/716,637

CURRENT PILING DATE: 2001-10-12

NUMBER OF SEQ ID NOS: 35
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/cgm2_6/prodata/1/iaa/6A_COMB.pep:*
/cgm2_6/prodata/11iaa/6B_COMB.pep:*
/cgm2_6/prodata/11iaa/PcTUS_COMB.pep:*
/cgm2_6/prodata/11iaa/PcTUS_COMB.pep:*
                                     GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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US-09-229-037-15
US-09-779-233-3
US-09-779-233-3
US-09-478-611-30
US-09-478-611-30
US-09-779-233-18
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Maximum DB seq length: 200000000
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Query Match
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Matches 7; Conservative
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US-09-478-681-30
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Sequence 30, Application US/09229037A

Patent No. 6534261

GENERAL INFORMATION:

APPLICANT: Cox II, George No. 6534261bert

APPLICANT: Case, Casey Christopher

APPLICANT: Elsenberg, Stephen P.

APPLICANT: Sangamo Biosciences, Inc.

APPLICANT: Sangamo Biosciences, Inc.

TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using

TITLE OF INVENTION: Zinc Finger Proteins

FILE REFERENCE: 019496-002200US

CURRENT APPLICANION NUMBER: US/09/229,037A

NUMBER OF SEQ ID NOS: 109

SOSTWARER PATENTING DATE: 1999-01-12

SOSTWARER PATENTING OF TOWN 
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                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
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US-09-779-233-3
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                                                                                                                                                                                                                                                                                                                   100.0%; Score 7; DB 4; Length 99;
100.0%; Pred. No. 0.91;
tive 0; Mismatches 0; Indels
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Patent No. 668958
GENERAL INFORMATION:
GENERAL TIPORAMATION:
TITLE OF INVENTION:
FILE REFERENCE: 8325-0010
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
LENGTH: 99
LENGTH: 99
TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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nes 7; Conservative
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US-09-779-233-3
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LENGTH: 196
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Best Local S:
Matches 7
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100.0%; Score 7; DB 4; Length 196; 100.0%; Pred. No. 1.6;
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Sequence 18, Application US/09779233

Sequence 18, Application US/09779233

GENERAL INFORMATION:

APPLICANT: Case, Casey

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

FILE REFERENCE: 8325-0010

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT PILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 18

LENGTH: 196
                                0; Mismatches
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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120 TTSNLRR 126
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Matches 7: Conserv
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Search completed: December 27, 2004, 18:12:05 Job time : 15.8 secs

Gaps

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Scoring table:

Word size :

Searched:

Database :

Perfect score:

Sequence:

OM protein

Run on:

Length 21;

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APPLICANT: Rebar, Anutew
APPLICANT: Rebar, Edward J.
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger
TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger Proteins
TITLE OF INVENTION: to Bind to Preselected Sites
FILE REFERENCE: 019496-001800US
CURRENT APPLICATION NUMBER: US/10/113,424
CURRENT FILING DATE: 1999-01-12
NUMBER: OF SEQ ID NOS: 97
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 97
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence:ZFP sequence; CTHER INFORMATION: (F1, F2, F3) from SBS design GL-8.3.1 US-10-113-424-97
                                                                                                                                                                                               FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: ZFP sequence
OTHER INFORMATION: (F1, F2, F3) from SBS design GL-8.3.1
US-09-225-007A-97
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100.0%; Pred. No. 0.04;
iive 0; Mismatches
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APPLICANT: Gendaq Limited
TITLE OF INVENTION: Screening System
FILE REFERENCE: 674538-2003
CURRENT APPLICATION NUMBER: US/09/851,271A
CURRENT FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: PCT/GB99/03730
PRIOR FILING DATE: 1999-11-09
CURRENT APPLICATION NUMBER: US/09/229,007A CURRENT FILING DATE: 1999-01-12 NUMBER OF SEQ ID NOS: 97 SEQ ID NO 97 SEQ ID NO 97 SEQ ID NO 97 ENCTH: 21
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Patent No. 6785613
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APPLICANT: Eisenberg, Stephen P.
APPLICANT: Case, Casey C.
APPLICANT: Cox III, George N.
APPLICANT: Jamieson, Andrew
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                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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Matches 7; Conserv
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US-10-113-424-97
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                                                                                                                       LENGTH:
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Sequence 97, Application US/09229007A

Patent No. 6453242

GRNERAL INFORMATION:

APPLICANT: Case, Casey C.

APPLICANT: Case, Casey C.

APPLICANT: APPLICANT: Rebar, Andrew

APPLICANT: Rebar, Edward J.

APPLICANT: Sangamo Biosciences, Inc.

APPLICANT: Sangamo Biosciences, Inc.

TITLE OF INVENTION: Selection of Stres for Targeting by Zinc Finger

TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger

TITLE OF INVENTION: to Bind to Preselected Sites

FILE REFERENCE: 019496-001800US
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Sequence 2, Appli
Sequence 15, Appl
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29.381 Million cell updates/sec
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/BCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                                     GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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US-10-113-424-97

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US-09-395-448-15

US-09-925-796-15

US-09-941-450-15
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                                                                                                                                                                                December 27, 2004, 17:02:31
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                                                                                                                                 - protein search, using sw model
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Maximum DB seq length: 2000000000
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US-09-229-007A-97

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Result Š Length 21;

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US-09-941-450-15
US-09-941-450-15
Sequence 15, Application US/09941450
Patent No. 6780590
GENERAL INFORMATION:
APPLICANT: Gase, Casey C.
APPLICANT: Urnov, Fyodor
FILE REFERENCE: S7.US3 / 8325-0007.20
CURRENT APPLICATION NUMBER: US/09/941,450
CURRENT APPLICATION NUMBER: 09/395,448
PRIOR APPLICATION NUMBER: 09/395,448
PRIOR PILING DATE: 1999-09-14
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 15
LENGTH: 97
LENGTH: 97
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US-09-395-448-15
is Sequence 15, Application US/09395448
is Sequence 15, Application US/09395448
is Patent No. 6599692
is GENERAL INFORMATION:
is APPLICANT: Case, Casey C.
is APPLICANT: Sangamo Biosciences, Inc.
is APPLICANT: Sangamo Biosciences, Inc.
is TITLE OF INVENTION: Functional Genomics Using Zinc Finger Proteins
is TILE REFERENCE: 019496-002000US
is CURRENT FILING DATE: 1999-00-14
is PRIOR PELLING DATE: 1999-01-12
is PRIOR APPLICATION NUMBER: 09/229,007
is PRIOR APPLICATION NUMBER: 09/229,037
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NAME/KEY: ZN FING
LOCATION: (1)...(88)
OTHER INFORMATION: protein sequence encoding a zinc-finger domain US-09-851-271A-2
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                                                                                                                                                                                                                                                                                                100.0%; Score 7; DB 4; Length 88; 100.0%; Pred. No. 0.16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INPOGNATION:
APPLICANT: CHOO, YEN
APPLICANT: KHOG, ARAN
APPLICANT: ISALAN, MARK
TITLE OF INVENTION: NUCLEIC ACID BINDING PROTEINS
FILE REFERENCE: 71278/264975
CURRENT APPLICATION NUMBER: US/09/424,487B
CURRENT PILING DATE: 2000-02-29
PRIOR APPLICATION NUMBER: GB 9710809.6
PRIOR APPLICATION NUMBER: GCT/GB98/01512
PRIOR APPLICATION NUMBER: PCT/GB98/01512
PRIOR FILING DATE: 1998-05-26
NUMBER OF SEQ ID NOS: 114
SSEQ ID NO S: 21
LENGTH: 88
                                                                                                                                                                                                                                                                                                                                           0; Mismatches
PRIOR APPLICATION NUMBER: GB9824544.2
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
LENGTH: 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2, Application US/09424487B Patent No. 6746838
                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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45 RSDNLTR 51
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US-09-424-487B-2
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US-09-925-796-15

Sequence 15, Application US/09925796

Patent No. 6777185

GENERAL INFORMATION:

APPLICANT: Chang, Lei

APPLICANT: Sangamo Biosciences, Inc.

FILE REFERENCE: 01946-002000US

CURRENT FILING DATE: 1999-09-14

PRIOR PAPLICATION NUMBER: 09/229,037

PRIOR APPLICATION NUMBER: 09/229,037

PRIOR APPLICATION NUMBER: 09/229,037

NUMBER OF SEQ ID NOS: 23

SSOFTWARE: Patentin Ver. 2.1

SEQ ID NOS: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Description of Artificial Sequence: designed ZFP US-09-925-796-15
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ORGANISM: Artificial Sequence
                                                                                                                                           TYPE: PRT ORGANISM: Artificial Sequence
PRIOR FILING DATE: 1999-01-1
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PATENTIN VEr. 2.1
SEQ ID NO 15
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; ORGANISM: Artificial Sequence; ; FEATURE:
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:designed ZFP
US-09-941-450-15

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 97;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps

Qy 1 RSDNLTR 7

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| Db 21 RSDNLTR 27

Search completed: December 27, 2004, 18:12:05
Job time: 15:8 secs
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Sequence 16192, A
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                                                                                                                            December 27, 2004, 17:02:31 ; Search time 15.8 Seconds (without alignments) 29.381 Million cell updates/sec
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US-09-779-233-42
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2: /cgn2 6/ptodata/1/iaa/5B COMB.pep:*
3: /cgn2 6/ptodata/1/iaa/6A COMB.pep:*
4: /cgn2 6/ptodata/1/iaa/6B COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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100 4 US-09-248-796A-16192
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; Sequence 42, Application US/09779233
; Patent No. 668958
; GENERAL INFORMATION:
    APPLICANT: Case, Casey
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; FILE REFERENCE: 8325-0010
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 42
; LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
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                                                                                      OM protein - protein search, using sw model
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                US-09-846-033B-41
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Maximum DB seq length: 200000000
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Match Length DB
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US-09-779-233-42
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                                                                                                                                                                                                                     Title:
Perfect score:
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RESULT 2
US-09-248-796A-16192
US-09-248-796A-16192
Sequence 16192, Application US/09248796A
Setent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT APPLICATION NUMBER: US 60/074,725
SPRIOR APPLICATION NUMBER: US 60/074,725
SPRIOR APPLICATION NUMBER: US 60/096,409
SEQ ID NOS: 28208
SEQ ID NOS: 28208
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           100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; ive 0; Mismatches 0; Indels
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100.0%; Pred. No. 0.23;
ative 0; Mismatches
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; ORGANISM: Candida albicans
US-09-248-796A-16192
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Best Local Similarity 100.
                                                    Conservative
Query Match
Best Local Similarity
7, Conserve
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Gaps

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Perfect score:

Run on:

Sequence:

Scoring table:

Word size :

Searched:

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GENERAL INCORNATION:
APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Klug, Aaron
APPLICANT: Klug, Aaron
APPLICANT: Klug, Aaron
APPLICANT: Banchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
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Best Local Similarity 100.0%; Pred. No. 0.059;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                       CTHER INFORMATION: Description of Artificial Sequence:SBS7; OTHER INFORMATION: recognition helix US-09-731-558-18
                                                                                                                                                                                                                                                                           0; Indels
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-JUN-1997
APPLICATION NUMBER: PCT/GB95/01949
                                                                                                                                                                                                                                   100.0%; Score 7; 100.0%; Pred. No.
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-UTL-1995
PRIOR APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9412634.9
FILING DATE: 08-NOV-1994
FILING DATE: 20-NOV-1994
INFORMATION FOR SEQ ID NO: 73:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 2005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 73, Application US/09139762A Patent No. 6013453
                                                                                                                                                                                                                                                                              .;
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                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
               SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 18
LENGTH: 7
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Best Local Similarity 100.
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MOLECULE TYPE: peptide
US-09-139-762A-73
NUMBER OF SEQ ID NOS: 24
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Facent No. 6503717
GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Liu, Qiang
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT APPLICATION NUMBER: US/09/731,558
CURRENT FILING DATE: 2000-12-06
FRIOR PRIOR FILING DATE: 1999-12-06
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                                                                                                                                                December 27, 2004, 17:02:31 ; Search time 15.8 Seconds (without alignments) 29.381 Million cell updates/sec
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Sequence 73, R
Sequence 84, R
Sequence 99, R
Sequence 13, R
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/RECOMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                      GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-139-762A-73
US-09-139-762A-84
US-09-139-762A-99
US-08-793-408-13
US-09-139-762A-13
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                                                                                                                                                                                                                                                                                                                                                                                            478139 segs, 66318000 residues
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                                                                                                            OM protein - protein search, using sw model
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Maximum DB seq length: 2000000000
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Query
Match Length DB
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Score

Result Š ö

Gaps

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Sequence 13, Application US/08793408
Sequence 10. 6007988
GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Choo, Yen
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: P1118bury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
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Improvements in or Relating to
Binding Proteins for Recognition of DNA
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TITLE OF INVENTION: Improvements in or Relatin, TITLE OF INVENTION: Binding Proteins for Recognivers of SEQUENCES: 125 CORRESPONDENCE ADDRESS: ADDRESSE: Pillebury Madison & Sutro, L.L.P. STREET: 1100 New York Avenue, N.W. CITY: Washington
                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-JUN-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
                                                                                                                                                                                                                                                                      OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Word Perfect CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER:
RPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-ANG-1994
INFORMATION FOR SEQ 1D NO: 99:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                  STATE: D.C.
COUNTRY: USA
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: USA
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : 10 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity luv...
7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , MOLECULE TYPE: peptide US-09-139-762A-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ERGTLAR 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 ERGTLAR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-793-408-13
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                     MESULT 3
US-09-139-762A-84
i Sequence 84, Application US/09139762A
i Sequence 84, Application US/09139762A
i Patent No. 6013453
i GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Anchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
TITLE OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UN-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
BROUGHOUS CHARACTER: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 84:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: L. COUNTRY: USA
ZIP: 20005-3918
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
THER: IBM PC COMPATIBLE
THER: THER: THERE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
FILING DATE:
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US-09-139-762A-99
is Sequence 99, Application US/09139762A
is Patent No. 6013453
is GENERAL INFORMATION:
APPLICANT: Choo, Yen
is APPLICANT: Klug, Aaron
is APPLICANT: Sanchez Garcia, Isidro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 ERGTLAR 7
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Gaps

Gaps

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Query Match
100.0%; Score 7; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.18;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Search completed: December 27, 2004, 18:12:04 Job time : 15.8 secs
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 anino acid
TYPE: anino acid
STRANDEDNESS:
                                                                                                                                                                                                               TOPOLOGY: unknown; MOLECULE TYPE: peptide US-09-139-762A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18 ERGTLAR 24
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Sequence 13, Application US/09139762A

Sequence 13, Application US/09139762A

BALICANT: Choo, Yen

APPLICANT: Choo, Yen

APPLICANT: Choo, Yen

APPLICANT: Sanchez Garcia, Isidro

APPLICANT: Sanchez Garcia, Isidro

TITLE OF INVENTION: Improvements in or Relating to

TITLE OF INVENTION: Binding Proteins for Recognition of DNA

NUMBER OF SEQUENCES: 125

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.

STREET: 1100 New York Avenue, N.W.

COUNTRY: Washington

STREET: 1100 New York Avenue, N.W.

COUNTRY: USA

ZIP: 20005-3918

COUNTRY: USA

ZIP: 20005-3918

COMPITER IBW PC compatible

COMPITER: IBW PC compatible

COMPITER: IBW PC compatible

OPERATING SYSTEM: PC-COS/MS-DOS

SOFTWARE: Word Perfect

CHREATING NATE: US/09/139,762A

FILING DATE: US-UN-1997

RILING DATE: 17-AUG-1995

PILING DATE: 17-AUG-1995

PILING APPLICATION NUMBER: GB 9514698.1

FILING APPLICATION NUMBER: GB 972534.9

FILING APPLICATION NUMBER: GB 972534.9

FILING DATE: 18-UUL-1995

PRILING DATE: 18-UUL-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NATA:
FILING DATE: 17-AUG-1995
FRIOR APPLICATION NUMBER: 08 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08 9422534.9
FILING DATE: 08-NOV-1994
FRIOR APPLICATION NUMBER: 08 9416880.4
FRIOR APPLICATION NUMBER: 08 9416880.4
FILING DATE: 20-AUG-1994
INPORMATION FOR SEQ 1D NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 33 amino acids
TYPE: amino acids
TYPE: amino acid
TYPE: amino acid
TYPE: amino acid
                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,408
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 7; Conservative
                Word Perfect
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: unknown; MOLECULE TYPE: peptide US-08-793-408-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 ERGTLAR 7
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US-09-139-762A-13
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Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Word size :

Searched:

Database :

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Sequence 75, Application US/09139762A
Patent No. 6013453
GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Sanchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 3; Length 10;
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                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillabury Madison & Sutro, L.L.P.
STREST: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3918
ZIP: 20005-3918
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UN-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-UUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 20-AUG-1994
FILING DATE: 20-AUG-1994
FILING DATE: 20-AUG-1994
FILING DATE: 10-AUG-1994
FILING DATE: 20-AUG-1994
FILING DATE: 20-AUG-1994
FILING DATE: 20-AUG-1994
FILING DATE: 20-AUG-1994
FILING DATE: AFFECTION DATA:
APPLICATION NUMBER: GB 9416880.4
FILING DATE: AFFECTION DATA:
APPLICATION DAT
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                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
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Best Local Similarity الاس
الا Conservative ،
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-09-139-762A-72
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DRSSLTR
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US-09-139-762A-75
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Sequence 114, App
Sequence 113, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 112, Appl
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Sequence 18, Appl
Sequence 18, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                     (without alignments)
29.381 Million cell updates/sec
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                                                                                                                                                                                                                                   December 27, 2004, 17:02:31; Search time 15.8 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
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Sequence 72, Application US/09139762A
Patent No. 6013453
GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Sanchez Garcia, Isidro
ATTLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1: /cgn2_6/ptcdata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptcdata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptcdata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptcdata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*
                                     GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-139-762A-75
US-09-139-762A-93
US-09-424-487B-114
US-09-424-487B-113
US-08-173-487B-12
US-08-173-762A-12
US-09-139-762A-12
US-09-851-271A-2
US-09-851-271A-2
US-08-733-408-18
US-08-139-762A-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALIGNMENTS
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    protein search, using sw model

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                                                                                                                                                                                                                                                                                                                                                        US-09-846-033B-39
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Match Length DB
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Result

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Gaps

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OTHER INFORMATION: Description of Artificial Sequence: Zinc finger

OTHER INFORMATION: peptide
US-09-424-487B-114
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                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 7; DB 3; Length 10; 100.0%; Pred. No. 0.15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INC. 87408

APPLICANT: CHOO, YEN

APPLICANT: KLUG, AARN

APPLICANT: ISALAN, MARK

TITLE OF INVENTION: NUCLEIC ACID BINDING PROTEINS

FILE REFERENCE: 71278/264975

CURRENT APPLICATION NUMBER: US/09/424,487B

CURRENT FILING DATE: 2000-02-29

PRIOR APPLICATION NUMBER: GB 9710809.6

PRIOR FILING DATE: 1997-05-23

PRIOR FILING DATE: 1998-05-26

NUMBER OF SEQ ID NOS: 114

SEQ ID NOS: 114

LENGTH: 27
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APPLICANT: CHOO, YEN
APPLICANT: CHOO, YEN
APPLICANT: ISALAM, MARK
ITILE OF INVENTION: NUCLEIC ACID BINDING PROTEINS
FILLE REFERENCE: 71278/264975
CURRENT APPLICATION NUMBER: US/09/424,487B
CURRENT FILING DATE: 2000-02-29
PRIOR APPLICATION NUMBER: GB 9710809.6
PRIOR PELICATION NUMBER: PCT/GB98/01512
PRIOR FILING DATE: 1999-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-424-487B-114; Sequence 114, Application US/09424487B; Patent No. 6746838
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
                                                   APPLICATION NUMBER: GB 94
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 93
                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity luv...
7; Conservative
                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                          TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-09-139-762A-93
                                                                                                                                                                                   LENGTH: 10 amino TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12 DRSSLTR 18
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US-09-424-487B-9
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US-09-139-762A-93

I Sequence 93, Application US/09139762A

SEGUENCAL INFORMATION:

APPLICANT: Klud, Aaron

TITLE OF INVENTION: Improvements in or Relating to

TITLE OF INVENTION: Binding Proteins for Recognition of DNA

NUMBER OF SEQUENCES: 125

CORRESPONDENCE ADDRESS: 125

CORRESPONDENCE ADDRESS: 125

CORRESPONDENCE ADDRESS: 125

CORRESPONDENCE ADDRESS: 125

COUNTRY: Washington

STATE: D. USA

I COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: Word Perfect

CURRENT APPLICATION NUMBER: US/09/139,762A
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                                                                                   PRICA APPLICATION:
PRICA APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UN-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-UUL-1995
PRIOR APPLICATION NUMBER: GB 9422534.9
FILING DATE: GB-NOV-1994
FILING DATE: 20-NUG-1994
FILING DATE: 30-NUG-1994
FILING 
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 0.2-UNN.1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
                            APPLICATION NUMBER: US/09/139,762A
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Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: unknown
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 DRSSLTR 7
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GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Sanches Carcia, Isidro
APPLICANT: Sanches Carcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillabury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
100.0%; Score 7; DB 3; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.44;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: D.C.
COUNTRY: USA
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION: 435
PRICHARD BATE:
PRI
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UN-1997
APPLICATION NUMBER: PCT/GB95/01949
                                                                                                                                                                                                             APPLICATION NUMBER: US/08/793,408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 8
US-09-139-762A-12
; Sequence 12, Application US/09139762A
; Patent No. 6013453
                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD Perfect
CURRENT APPLICATION DATA:
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PRIOR APPLICATION DATA:
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18 DRSSLTR 24
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US-09-424-487B-113
                                                                                                                                                                                                   ) OTHER INFORMATION: Description of Artificial Sequence: Zinc finger; OTHER INFORMATION: peptide
US-09-424-487B-9
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Patent No. 6007988

GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Sanchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 18
CORRESPENDENCE ADDRESS:
ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 4; Length 28; 100.0%; Pred. No. 0.38;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INCORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: KLUG, ARRON
APPLICANT: KLUG, AARON
APPLICANT: KLUG, AARON
TITLE OF INVENTION: NUCLEIC ACID BINDING PROTEINS
FILE REFERENCE: 71278/264975
CURRENT APPLICATION NUMBER: US/09/424,487B
CURRENT PILING DATE: 2000-02-29
PRIOR APPLICATION NUMBER: GB 9710809.6
PRIOR APPLICATION NUMBER: PCT/GB98/01512
PRIOR APPLICATION NUMBER: PCT/GB98/01512
PRIOR FILING DATE: 1998-05-26
NUMBER OF SEQ ID NOS: 114
SEQ ID NO 13
LENGTH: 28
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CITY: Washington
STATE: D.C.
COUNTRY: USA
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                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 100.
                SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 28
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Best Local Similarity 100.
Matches 7; Conservative
NUMBER OF SEQ ID NOS: 114
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US-08-793-408-12
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Gaps

Gaps

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FEATURE:
NAME/KEY: ZN FING
LOCATION: (1)..(88)
UCHER INFORMATION: protein sequence encoding a zinc-finger domain US-09-851-271A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Sanchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSE:
ADDRESSE:
TITLE OF INVENTION: Madison & Sutro, L.L.P.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 7; DB 3; Length 89;
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CLASSIFICATION: 435
PRIOR APPLICATION DATE:
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
RHOR APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
FRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION DA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 7;
100.0%; Pred. No.
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ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/793,408
PRIOR FILING DATE: 1999-11-09
PRIOR APPLICATION VNWBER: GB9824544.2
PRIOR FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin version 3.0
LENGTH: 88
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; Patent No. 6007988
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                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Artificial Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 20-AUG-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein
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US-09-424-487B-112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 112, Application US/09424487B
; Patent No. 6746838
; GENERAL INFORMATION:
APPLICANT: CHOO, YEN
APPLICANT: KLUG, AARON
; APPLICANT: ISALAN, WARK
TITLE REFERENCE: 71278/264975
CURRENT APPLICATION WUMBER: US/09/424,487B
CURRENT FILING DATE: 2000-02-29
; PRIOR APPLICATION NUMBER: GB 9710809.6
; PRIOR PILING DATE: 1999-05-23
; PRIOR PPLING DATE: 1999-05-24
; NUMBER OF SEQ ID NOS: 114
; SEQ ID NO 112
; SEQ ID NO 112
; SEQ ID NO 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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TITLE OF INVENTION: Screening System
FILE REFERENCE: 674538-2003
CURRENT APPLICATION NUMBER: US/09/851,271A
CURRENT FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: PCT/GB99/03730
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
RIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                          LENGTH: 33 amino acids
TYPE: amino acid
STRANDEDNESS:
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Best Local Similarity 100.
Matches 7; Conservative
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; MOLECULE TYPE: peptide
US-09-139-762A-12
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Best Local Similarity
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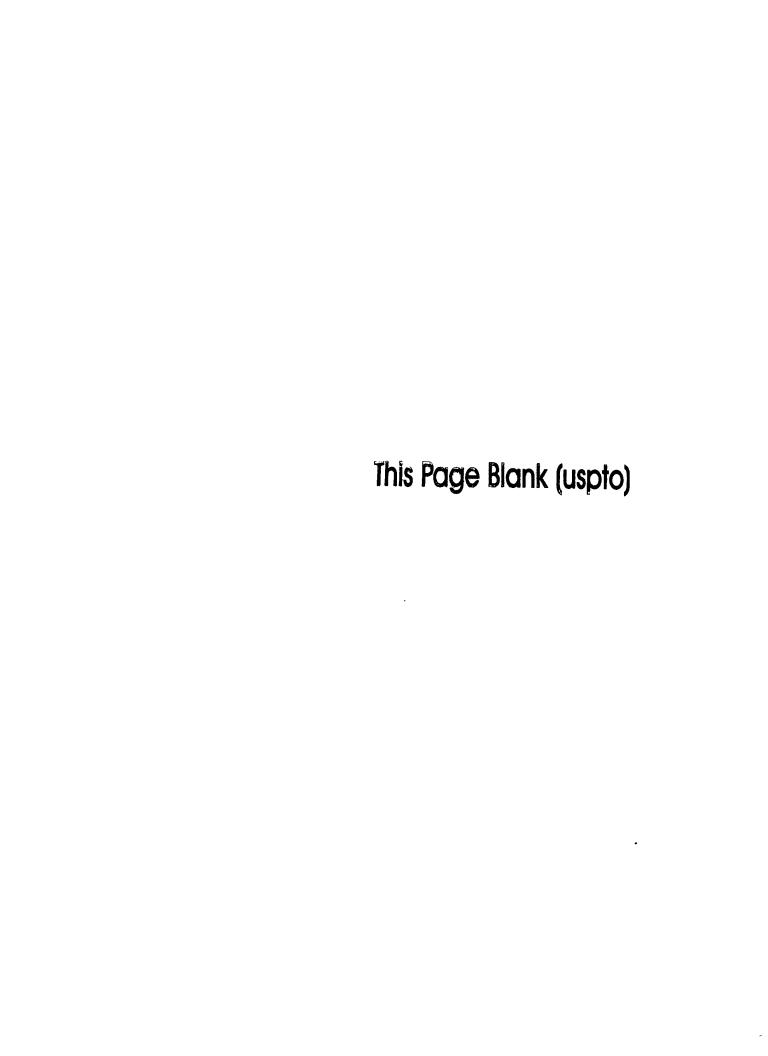
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| Sequence 18, Application US/09139762A |
| Sequence 18, Application US/09139762A |
| Patent No. 6013433 |
| Patent No. 6013431 |
| Patent No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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             Pred. No. 1.1;
0; Mismatches
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Best Local Similarity 100.
Matches 7; Conservative
                Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                       18 DRSSLTR 24
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                                                                                                     1 DRSSLTR 7
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US-09-139-762A-18
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Search completed: December 27, 2004, 18:12:04 Job time : 15.8 secs

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Sequence
Sequence 44,
Sequence 8, Appl.
Sequence 1278, Ap
Patent No. 5206152
Sequence 6, Appli
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~~e 2, Appli
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; Sequence 19. Application US/09139762A
; Patent No. 6014453
; GENERAL INFORMATION:
; APPLICANT: Choo, Yen
APPLICANT: Sanchez Garcia, Isidro
; TITLE OF INVENTION: Improvements in or Relating to
; TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
                                   Sequence 3
Sequence 3
Sequence 3
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Sequence
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US-09-614-679A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; ive 0; Mismatches 0; Indels
US-09-500-700-5
US-08-224-482-11
US-08-863-813A-34
US-08-663-813A-34
US-08-676-118A-34
US-09-500-700-34
US-09-500-700-34
US-09-500-700-44
US-09-500-700-44
US-09-500-700-44
US-09-500-700-44
US-09-538-092-1278
US-08-224-482-6
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US-08-224-482-6
US-08-224-482-6
US-09-538-092-1278
                                                                                                                                                                                                                                                                                    Sequence 19, Application US/09614679A; Sequence 19, Application US/09614679A; Patent No. 64921101; GENERAL INFORMATION:
APPLICANT: CHOO, YEN
APPLICANT: PALL, SACHIN
APPLICANT: LIU, XIAOHAI
TITLE OF INVENTION: MOLECULES
TITLE OF INVENTION: MOLECULES
FILE REFERENCE: 71278/271599
CURRENT FILING DATE: 2000-07-12
CURRENT FILING DATE: 2000-07-12
SOUTHARE: PATENTIN VET: 2.1
SEQ ID NO 19
LENGTHARE:
                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100...
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US-09-614-679A-19
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Patent No. 5206152
Sequence 1, Appli
Sequence 8, Appli
Sequence 6, Appli
Sequence 5, Appli
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Sequence 19, Appl
Sequence 19, Appl
Sequence 19, Appl
Sequence 95, Appl
Sequence 95, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 1, Appli
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                                                                                    ; Search time 15.85 Seconds (without alignments)
29.289 Million cell updates/sec
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Sequence 8,
Sequence 8,
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1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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                GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                     2004, 19:21:38
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                                                               OM protein - protein search, using sw model
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Maximum DB seq length: 200000000
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Match Length
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                                                                                                                                                            1 RSDHLTT 7
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100.0%; Score 7; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.031;
Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Score 7; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 7; Conservative 0; Mismatches 0; Indels
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA: 17-AUG-1995
PRIOR APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 aming acids
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MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid STRANDEDNESS:
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STRANDEDNESS: si
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US-08-040-548-19
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US-09-139-762A-53
US-09-139-762A-53
i Sequence 53. Application US/09139762A
j Patent NO. 6013453
i GENERAL INFORMATION:
i APPLICANT: Choo, Yen
j APPLICANT: Klug, Aaron
APPLICANT: Ranchez Garcia, Isidro
ITLE OF INVENTION: Improvements in or Relating to
ITLE OF INVENTION: Improvements for Recognition of DNA
ITLE OF INVENTION: Binding Proteins for Recognition of DNA
ITLE OF INVENTION: Binding Proteins for Recognition of DNA
MUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
STARET: 1100 New York Avenue, N.W.
CITY: Washington
STARET: D.C.
COUNTRY: USA
IT 20005-3918
COMPUTER: BEADELE FORM:
MEDLUM TYPE: Diskette
COMPUTER: BEADELE FORM:
MOPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION NUMBER: US/09/139,762A
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-JUN-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION NUMBER: GB 9514698.1
FILING DATE: B-JUL-1995
PRIOR APPLICATION DATA: APPLICATION NUMBER: GB 9422534.9
FILING DATE: GB-NOV-1994
PRIOR APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERERICS:
LENGTH: 10 mmino acids
                               ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
COMPUTER: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-JUN-1997
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Best Local Similarity 100.7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid STRANDEDNESS:
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FILE REFERENCE: 019496-001800US
CURRENT APPLICATION NUMBER: US/09/229,007A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 95
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 95, Application US/10113424; Patent No. 6785613; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                       FEATURE:
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GENERAL INFORMATION:

APPLICANT: SUNDARME, VIKAS P.

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE

TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS

NUMBER OF SEQUENCES: 67

CORRESPONDENCE ADDRESS:

ADDRESSE: Arnold, White & Durkee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER REALBLE FORM

BEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,344

PILING DATE: 06-JUN-1995

CLASSIFICATION: 514

PRIOR APPLICATION NUMBER: 08/040,548

FILING APPLICATION DATA:

APPLICATION NUMBER: 31-MAR-1993

ATTORNEY/AGENT INPORMATION:

NAME: COUGHLIN, DANIEL F.

REGISTRATION NUMBER: 36,111

REGISTRATION NUMBER: 36,111

REPRENCE/DOCKET NUMBER: 36,111

REPRENCE/DOCKET NUMBER: 36,111

RELEPAK: (312) 744-0090

TELECOMMUNICATION INFORMATION:

TELEPAK: (312) 245-4961

INFORMATION POR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 maino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E: Arnold, White & Durkee
321 No. 5773583th Clark Street, Suite 800
                                                                                                                                                                                                                                                                     US-08-466-344-19; Sequence 19, Application US/08466344; Patent No. 5773583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 321 NO. 577358
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60610
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy di
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7; Conservative
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MOLECULE TYPE: peptide
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9 RSDHLTT 15
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STRANDEDNESS: si
                                                                                                   RSDHLTT 15
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Best Local Similarity
Matches 7; Conserv
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                                                          RSDHLTT 7
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APPLICANT: Case, Casey C.

APPLICANT: Case, Casey C.

APPLICANT: Case Casey C.

APPLICANT: Can ill, George N.

APPLICANT: Sangamo Biosciences, Inc.

APPLICANT: Sangamo Biosciences, Inc.

TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger Proteins

TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger Proteins

TITLE OF INVENTION: Los Bind to Preselected Sites

TITLE OF INVENTION: Los Bind to Preselected Sites

TITLE OF INVENTION: US/10/113,424

CURRENT APPLICATION NUMBER: US/10/113,424

CURRENT PILING DATE: 1999-01-12

NUMBER OF SEQ ID NOS: 97

SEQ ID NO 95

LENGTH: 21

LENGTH: 21
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US-10-113-424-95
CTHER INFORMATION: Description of Artificial Sequence: ZFP sequence; OTHER INFORMATION: (F1, F2 and F3) from Zif 268
US-09-229-007A-95
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Patent No. 5928955
GENERAL INFORMATION:
APPLICANT: Imperiali, Barbara
APPLICANT: Walkup, Grant K.
TITLE OF INVENTION: PEPTIDYL FLUORESCENT CHEMOSENSOR FOR
TITLE OF INVENTION: DIVALENT ZINC
NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 7; DB 4; Length 21; 100.0%; Pred. No. 0.033; ive 0; Mismatches 0; Indels
                                                                                                               Length 21;
                                                                                                               100.0%; Score 7; DB 4;
100.0%; Pred. No. 0.033;
:ive 0; Mismatches 0
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Gaps

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RESULT 10
US-08-466-344-34
Sequence 34, Application US/08466344
Sequence 34, Application US/08466344
Sequence 34, Application US/08466344
Sequence 34, Application
Sequence 34, Application
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 321 No. 5773583th Clark Street, Suite 800
CITY: Chicago
CITY: Chicago
                                                                                                                                                                                                                                                                                 Query Match
100.0%; Score 7; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 7; Conservative 0; Mismatches 0; Indels
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SIREL:
SIREL:
SIREL:
SIREL:
SIREL:
COMPUTRY:
COMPUTRY:
COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
COMPUTER:
COMPUTER:
COMPUTRS:
COMPUTR
                          SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
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Best Local Similarity 100.
Matches 7; Conservative
INFORMATION FOR SEQ ID NO:
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                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: peptide
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STRANDEDNESS: si
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9 RSDHLTT 15
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                                                                                                TYPE: amino a STRANDEDNESS:
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US-09-058-459-1
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Sequence 34, Application US/08040548

Patent No. 5763209

Patent No. 5763209

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS NUMBER OF SEQUENCES: 67

CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSEE Arnold, White & Durkee STRRET: 321 No. 5763209th Clark Street, Suite 800

CITY: Chicago STATE: Illinois

CONDUTER NEADABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

COMPUTER: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/08/040,548
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                                                                                                                                                               COUNTRY: USA

ZIP: 60611-589

ZIP: 60611-589

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION PATA:
APPLICATION NUMBER: US/08/620,151
FILING DATE: 22-MAR-1996
CLASSIFTCATION: 422
ATTORNEY/AGENT INFORMATION:
NAME: Shannon, Karen L.
REGISTRATION NUMBER: 36,675
REGISTRATION NUMBER: 36,675
TELEFAN: 312-321-4200
TELEFAX: 312-321-4209
TELEFAX: 312-321-4299
TELEFAX: 312-321-4299
TELEFAX: 22-MAR-1896
TELEFAX: 312-321-4299
TELEFAX: 212-321-4299
TELEFAX: 26-MAR-1815
   ADDRESSEE: BRINKS, HOFER, GILSON & LIONE
STREET: NBC Tower - Suite 3600, 455 N. Cityfront
STREET: Plaza Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: COUGHLIA, Daniel F.
REGISTRATION NUMBER: 36,111
REFERENCE/DOCKET NUMBER: arcd067
TELEPHONE: (112) 744-090
TELEPAX: (312) 245-4961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-620-151-111
                                                                  STREET: Plaza Dri
CITY: Chicago
STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13 RSDHLTT 19
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US-09-037-179B-15
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Sequence 1, Application US/09127926

Sequence 1, Application US/09127926

GENERAL INFORMATION:
APPLICANT: Daniyat, Bassil L.
APPLICANT: Street, Arthur
APPLICANT: Su, Yavying
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
FILE REFREENCE: A55353-4/FFT/RMS/SJR
CURRENT APPLICATION NUMBER: US/09/127,926
CURRENT FILING DATE: 1998-07-31
FRIOR APPLICATION NUMBER: 60/054,678
FRIOR FILING DATE: 1997-04-11
FRIOR FILING DATE: 1997-04-11
FRIOR FILING DATE: 1997-04-03
FRIOR APPLICATION NUMBER: 60/061,097
FRIOR APPLICATION NUMBER: 60/061,097
FRIOR APPLICATION NUMBER: 09/058,459
FRIOR APPLICATION NUMBER: 09/058,459
FRIOR PILING DATE: 1998-04-10
FRIOR FILING DATE: 1998-06-01
FRIOR FILING DATE: 1998-06-01
                                                                       APPLICANT: Mayo, Stephen L.
APPLICANT: Dahiyat, Bassil I.
APPLICANT: Gordon, D. B.
APPLICANT: Gordon, D. B.
TITLE OF INVENTION: APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN
FILE REFERENCE: A65533-3/RFT/RMS/SJR
FILE REFERENCE: A65533-3/RFT/RMS/SJR
CURRENT FPLING DATE: 1097-04-10
PRIOR APPLICATION NUMBER: 60/043,464
PRIOR APPLICATION NUMBER: 60/044,678
PRIOR PILING DATE: 1997-04-11
PRIOR FILING DATE: 1997-08-04
PRIOR FILING DATE: 1997-08-04
PRIOR FILING DATE: 1997-08-04
PRIOR FLING DATE: 1997-08-04
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Sequence 1, Application US/09058459
Patent No. 6188965
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Best Local Similarity 100..
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Best Local Similarity 100.
Matches 7; Conservative
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SOFTWARE: Patentin V
SEQ ID NO 1
LENGTH: 28
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LENGTH: 28
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14 RSDHLTT 20

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GENERAL INFORMATION:

APPLICANT: Greisman, Harvey A.

APPLICANT: Greisman, Harvey A.

APPLICANT: Babo, Carl O.

APPLICANT: Babo, Carl O.

TITLE OF INVENTION: A General Strategy for Selecting High-Affinity Zinc;

TITLE OF INVENTION: Pinger Proteins for Diverse DNA Target Sites

TITLE OF INVENTION: Pinger Proteins for Diverse DNA Target Sites

TITLE OF INVENTION: A General Strategy for Selecting High-Affinity Zinc;

TITLE OF INVENTION: Pinger Proteins for Diverse DNA Target Sites

TITLE OF INVENTION NUMBER: US/09/240,179

CURRENT FILING DATE: 1998-01-39

NUMBER OF SEQ ID NOS: 65

SOF ID NO 2

EBNQIN 28

LENGIN 28
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US-09-240-179-2
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                                                                                                                                                                                                    APPLICANT: Belletier, Jerry, APPLICANT: Pelletier, Jerry, APPLICANT: Pelletier, Jerry, APPLICANT: Pelletier, Jerry, APPLICANT: Haber, Daniel A. APPLICANT: Housman, David B. APPLICANT: Bruening, Wendy APPLICANT: Bruening, Wendy Medy APPLICANT: Draweau, Andre TITLE OF INVENTION: Localization and Characterization of the TITLE OF INVENTION: Wilms' Tumor Gene TITLE OF INVENTION: Wilms' Tumor Gene TITLE OF INVENTION: Wilms' US/09/037,179B CURRENT APPLICATION NUMBER: US/09/037,179B CURRENT FILING DATE: 1998-03-09 PRIOR FILING DATE: 1993-08-02 PRIOR FILING DATE: 1999-11-13 PRIOR APPLICATION NUMBER: US 07/614,161 PRIOR APPLICATION NUMBER: US 07/435,780 PRIOR PILING DATE: 1999-11-13 PRIOR FILING DATE: 1999-11-13 PRIOR FILING DATE: 1994-09-27 NUMBER OF SEQ ID NOS: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 7; DB 3; Length 28; 100.0%; Pred. No. 0.043; ive 0; Mismatches 0; Indels
i, Application US/09037179B 6316599
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Patent No. 6410248
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                                                                                         APPLICANT: Call, Katherine M. APPLICANT: Glaser, Thomas M. APPLICANT: Ito, Caryn Y. APPLICANT: Buckler, Alan J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
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ORGANISM: Homo sapien
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US-09-714-357-1

i Sequence 1, Application US/09714357

j Patent No. 6708120

i GENERAL INFORMATION:

APPLICANT: Mayo, Stephen L.

APPLICANT: Dahiyar, Bassil I.

APPLICANT: Gordon, D. B.

TITLE OF INVERTION APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN

TITLE OF INVERTION NUMBER: US/09/714,357

CURRENT APPLICATION NUMBER: US/09/714,357

CURRENT APPLICATION NUMBER: 60/058,459

PRIOR PLING DATE: 1998-04-10

PRIOR APPLICATION NUMBER: 60/054,678

PRIOR PLING DATE: 1997-00-0

PRIOR FILING DATE: 1997-00-0

NUMBER OF SEQ ID NOS: 79

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 1

LENGTH: 28

TYPE: PRT

CORGANISM: Mousee

US-09-714-357-1
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Query Match 100.0%; Score 7; DB 4; Length 28; Best Local Similarity 100.0%; Pred. No. 0.043; Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Score 7; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 7; Conservative 0; Mismatches 0; Indels
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13 RSDHLTT 19
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14 RSDHLTT 20
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OM protein - protein search, using sw model

Run on:

December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec

US-09-846-033B-93 1 RSDNLTQ 7 Title: Perfect score: Sequence: OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

Searched:

7

Word Bize :

478139 segs, 66318000 residues

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Total number of hits satisfying chosen parameters:

Post-processing: Listing first 45 summaries

Оатараве :

lssued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

a Query Score Match Length DB Š.

No matches found

Search completed: December 27, 2004, 20:31:04 Job time : 15.85 secs

us-09-846-033b-92.olig7.rai

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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OM protein - protein search, using sw model

Run on:

December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec

US-09-846-033B-92 Title: Perfect score:

1 QRAHLAR 7 Sequence:

OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

478139 seqs, 66318000 residues Searched:

Word size :

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Issued_Patents_AA:* Database :

1: /cgn2 6/ptodata/l/iaa/5A COMB.pep:*
2: /cgn2 6/ptodata/l/iaa/5B COMB.pep:*
3: /cgn2 6/ptodata/l/iaa/6A COMB.pep:*
5: /cgn2 6/ptodata/l/iaa/6B COMB.pep:*
5: /cgn2 6/ptodata/l/iaa/PCTUS COMB.pep:*
6: /cgn2 6/ptodata/l/iaa/PCTUS COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description Query Score Match Length DB

No matches found

Search completed: December 27, 2004, 20:31:04 Job time : 15.85 secs

Gaps

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Indels Length 7;

Scoring table:

Word size :

Database

Searched:

Perfect score:

Run on:

Sequence:

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Sequence 29, Application US/09716637

Sequence 29, Application US/09716637

Sequence 29, Application US/09716637

GENERAL INFORMATION:

APPLICANT: BISBERG, Stephen P.

APPLICANT: LIU, Qiang

APPLICANT: REBAR, Edward

TILE OF INVENTION: ITERATUR OPTIMIZATION IN THE DESIGN OF BINDING

TILE OF INVENTION: PROTEINS

TILE REFERENCE: 9225-0020

CURRENT PELING DATE: 2001-10-12

NUMBER OF SEQ ID NOS: 35

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 29

LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence: recognition OTHER INFORMATION: helix
                                                                                                                                                                                                                             . OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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100.0%; Pred. No. 3.8e+05;
iive 0; Mismatches 0;
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TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REPERBUGE: 8325-0010
CURRENT APPLICATION WUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 44
LENGTH: 7
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PRIOR APPLICATION NUMBER: US 09/456,100 PRIOR FILING DATE: 1999-12-06 NUMBER OF SEQ ID NOS: 24 SOFTWARE: Patentin Ver. 2.1 FENDER OF 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 44, Application US/09779233; Patent No. 6689558; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Patent No. 6503717

GENERAL INFORMATION

GENERAL INFORMATION

APPLICANT: Liu, Qiang

APPLICANT: Rebar, Edward J.

APPLICANT: Sangame Biosciences, Inc.

TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger

TITLE OF INVENTION: Proceins for the Identification of Gene Function

TITLE OF INVENTION UNMERS: US/09/731,558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                     December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec
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Sequence 15,
Sequence 15,
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2: /cgn2_6/prodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/iaa/6A_COMB.pep:*
5: /cgn2_6/prodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
                                             GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
US-09-779-233-44
US-09-229-037-15
US-09-779-233-3
US-09-779-233-3
US-09-779-233-3
US-09-779-233-18
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Maximum DB seq length: 2000000000
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Match Length DB
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APPLICANT: Cox III, George No. 6534261bert
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Sangamo Bioscience, Inc.
APPLICANT: Sangamo Bioscience, Inc.
APPLICANT: Sangamo Bioscience, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using TITLE OF INVENTION: Zinc Finger Proteins
FILE REPERBNCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
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US-09-478-681-15
Sequence 15. Application US/09478681
Sequence 15. Application US/09478681
Sequence 15. Application US/09478681
Sequence 15. Application US/09478681
Septent No. 6607882
Septent No. 6607882
Septent III, George N.
APPLICANT: Case, Casey Christopher
APPLICANT: Brath Spratt, Sharon K.
TITLE OF INVENTION: REGULATION CF.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
STILE REFERENCE: 8325-0002.10 / S2-US3
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SEGURABLY PALENTIN USING 2.00
                                                                                                                                                        Gaps
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP
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                                                                                                                                                        Indels
                                                                                                   100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; tive 0; Mismatches 0; Indels
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; Sequence 15, Application US/09229037A
; Patent No. 6534261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                     Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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LENGTH: 99
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LENGTH: 99
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US-09-229-037-30

Sequence 30, Application US/09229037A

Sequence 30, Application US/09229037A

Sequence 30, Application US/09229037A

Sequence 30, Application US/09229037A

APPLICANT: Case, Casey Christopher

APPLICANT: Case, Casey Christopher

APPLICANT: Spards Stephen P.

TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using

TITLE OF INVENTION: 2nc Finger Proteins

FILE REFERENCE: 019456-00220005

CURRENT APPLICATION NUMBER: US/09/229,037A

CURRENT FILING DATE: 1999-01-12

NUMBER OF SEQ ID NOS: 40

SOFTWARE: Patentin Ver. 2.0

SOFTWARE: Patentin Ver. 2.0
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; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
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; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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                                                                                             Length 99;
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0.16;
                                                                                             100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.16;
                                                                                                                                                                                                                                                                                                                           US-09-779-233-3
Sequence 3, Application US/09779233
Fatent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TTLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TTLE OF INVENTION: CELLS
CURRENT APPLICANTON NUMBER: US/09/779,233
CURRENT PAPLICANTON NUMBER: US/09/779,233
CURRENT PAPLICANTON NUMBER: 2011-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3
LENGTH: 99
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 10u.
7; Conservative
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7; Conserva
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1 RSDHLSR 7

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                                                RESULT 8

US-09-478-681-30

i Sequence 30, Application US/09478681

i Patent No. 6607882

j GENERAL INFORMATION:

APPLICANT: Case, Casey Christopher

APPLICANT: Elsenberg, Stephen P.

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Bracon K.

TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USING ZINC FINGER PROTEINS

TITLE OF INVENTION USING ZINC FINGER PROTEINS

TITLE OF INVENTION USING ZINC FINGER

CURRENT FILLING DATE: 2000-01-06

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PATENTIN Ver. 2.0

SEQ ID NO 30

LENGTH: 196

LENGTH: 196

TYPE: PRT

ORGANISM: Artificial Sequence

FRATURE:

OTHER TITLE OF INFORMATION

OTHER TITLE OF IN
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; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF 3a/1
US-09-779-233-18
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100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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US-09-779-233-18
Sequence 18, Application US/09779233
Patent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION:
FILE REFERENCE: 8325-0010
CURRENT APPLICATION WHMBER: US/09/779,233
CURRENT APPLICATION WHMBER: US/09/779,233
CURRENT APPLICATION WHMBER: US/09/779,233
CURRENT FILING DATE: 201-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIN Ver. 2.0
SEQ ID NO 18
LYPE: RRT
ORGANISM: Artificial Sequence
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178 RSDHLSR 184
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178 RSDHLSR 184
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US-09-731-558-13
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LENGTH: 7
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Fatent No. 650377

GENERAL INFORMATION:

APPLICANT: Case, Casey Christopher

APPLICANT: Liu, Qiang

APPLICANT: Edward J.

APPLICANT: Rebar, Edward J.

APPLICANT: Rebar, Edward J.

TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger

TITLE OF INVENTION: Proteins for the Identification of Gene Function

TITLE OF INVENTION: Proteins for the Identification of Gene Function

TITLE OF INVENTION: Proteins for the Identification of Gene Function

TITLE OF INVENTION NUMBER: US/09/731,558

CURRENT APPLICATION NUMBER: US/09/731,558

CURRENT FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 24

SEQ ID NOS: 24

SEQ ID NO 13

LENGTH: 7
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Sequence 43, Appl
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                                                                                                                                             December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-731-558-13
US-09-779-233-43
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                                                                                                  OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Match Length DB
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Gaps
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                                             OTHER INFORMATION: Description of Artificial Sequence:SBS2 OTHER INFORMATION: recognition helix
                                                                                                                                       Query Match

100.0%; Score 7; DB 4; Length 7;

Best Local Similarity 100.0%; Pred. No. 3.8e+05;

Matches 7; Conservative 0; Mismatches 0; Indels
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US-09-779-233-43
; Sequence 43, Application US/09779233
; Patent No. 669958
; GENERAL INFORMATION:
; APPLICANT: Case, Casey
; TILE OF INVENTION: CELLS FOR DRUG DISCOVERY
; FILE REPERENCE: 8325-0010
; CURRENT APPLICATION NUMBER: US/09/779,233
; CURRENT FILING DATE: 201-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
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ORGANISM: Artificial Sequence FEATURE:
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 7; Conserv
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1 RSDNLAR 7
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patent No. 645342

Patent No. 645342

Patent No. 645342

GENERAL INFORMATION:

APPLICANT: Eisenberg, Stephen P.

APPLICANT: Case, Casey C.

APPLICANT: Cox III, George N.

APPLICANT: Jamisson, Andrew

APPLICANT: Sangamo Biosciences, Inc.

APPLICANT: Rebar, Edward J.

APPLICANT: Rebar, Edward J.

TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger

TITLE OF INVENTION: Description and Methods of Designing Zinc Finger

TITLE OF INVENTION: to Bind to Preselected Sites

TITLE OF INVENTION: UNBER: US/09/229,007A

CURRENT APPLICATION NUMBER: US/09/229,007A

CURRENT FILING DATE: 1999-01-12

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 96
                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: zinc finger OTHER INFORMATION: binding domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence: ZFP sequence; CTHER INFORMATION: (F1, F2, F3) from SP1
US-09-229-007A-96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 7; DB 4; Length 21; 100.0%; Pred. No. 0.063; cive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
                                                                                            APPLICANT: CHOO, Yen
APPLICANT: ULLMAN, Christopher G.
TITLE OF INVENTION: GENE SWITCHES
FILE REFERENCE: 8325-2003 / G7-US1
CURRENT APPLICATION NUMBER: US/09/995,973
CURRENT FILING DATE: 2002-03-19
NUMBER OF SEQ ID NOS: 59
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 3
US-10-113-424-96
; Sequence 96, Application US/10113424
                                         ; Sequence 37, Application US/09995973
; Patent No. 6706470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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RSDHLSK 7
                                                                             GENERAL INFORMATION:
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US-09-229-007A-96
                            JS-09-995-973-37
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                                                                                                                                                                                                                                      SEQ ID NO 37
LENGTH: 12
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29.289 Million cell updates/sec
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Sequence 15,
Sequence 15,
Sequence 15,
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Sequence 125
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Sequence 7,
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Sequence 96
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                                                                                                   December 27, 2004, 19:21:38 ; Search time 15.85 Seconds
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Sequence 1
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2: /cgn2 6/ptodate/1/iaa/5B_COMB.pep:*
3: /cgn2 6/ptodate/1/iaa/6A_COMB.pep:*
4: /cgn2 6/ptodate/1/iaa/6B_COMB.pep:*
5: /cgn2 6/ptodate/1/iaa/PCTUG_COMB.pep:*
6: /cgn2 6/ptodate/1/iaa/PCTUG_COMB.pep:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-229-007A-96
US-08-10-113-424-96
US-08-570-227A-6
US-08-570-227A-6
US-08-570-227A-7
US-09-077-991-9
US-09-077-991-9
US-09-077-991-9
US-09-0229-007A-9
US-09-229-007A-9
US-09-395-448-15
US-09-395-448-15
US-09-395-796-15
US-09-395-796-15
US-09-395-796-15
US-09-395-796-15
US-09-395-796-15
US-09-395-796-15
US-09-391-450-15
US-09-391-450-118
US-09-391-450-118
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US-09-538-092-1254
US-09-538-092-872
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                                                                                                                                                                                                                                                                                              478139 segs, 66318000 residues
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                                                                  OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
                                                                                                                                                                       US-09-846-033B-89
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Match Length
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Word size :

Searched:

Sequence:

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Database :

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APPLICANT: Subramaniam, M.
TITLE OF INVENTION: DNA ENCONDING TGF-BETA INDUCIBLE
TITLE OF INVENTION: BARLY FACTOR-1 (TIEF-1), A GENE EXPRESSED
TITLE OF INVENTION: BY OSTEOBLASTS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                         Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth, P.A.
STREET: P.O. Box 2938
CITY: Minneapolis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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0.1ndels
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100.0%; Pred. No. 0.19;
Live 0; Mismatches
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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOGTWARE: FASTESEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/570,227A
FILING DATE: 11-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
TILING DATE:
ATTORNEY, AGENT INFORMATION:
NAWE: WOSSBNEY, WARTEN D
REGISTRATION NUMBER: 30,440
REFERENCE/DOCKET NUMBER: 150.157US1
TELECOMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/08570227A Patent No. 5981217
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SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.0
....hea 7; Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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                                                     TOPOLOGY: linear
MOLECULE TYPE: peptide
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STRANDEDNESS: si
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TYPE: amino acid
STRANDEDNESS:
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US-08-570-227A-5
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US-08-570-227A-6
                                                           ; TOPOLOGY:
; MOLECULE TY
US-08-620-151-3
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                     APPLICANT: Eisenberg, Stephen P.
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Case, Casey.
APPLICANT: Case, Casey.
APPLICANT: Camieson, Andrew.
APPLICANT: Rebar, Edward J.
APPLICANT: Rebar, Edward J.
APPLICANT: Selection of Sites for Targeting by Zinc Finger
TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger Proteins
TITLE OF INVENTION: Proteins and Methods of Sites
TITLE OF INVENTION: Proteins and Methods of Sites
TITLE OF INVENTION: DATE: 10996-00180003
CURRENT FILING DATE: 10999-01-12
PRIOR PILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SEQ ID NO 96
LENGTH: 21
LENGTH: 21
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US-10-113-424-96
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US-08-620-151-3

i Sequence 3, Application US/08620151

i Patent No. 5928955

i GENERAL INFORMATION:
APPLICANT: Imperiali, Barbara
APPLICANT: Unperiali, Barbara
APPLICANT: Walkup, Grant K.
TITLE OF INVENTION: DIVALENT ZINC
TITLE OF INVENTION: DIVALENT ZINC
NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
ADDRESSE: BRINKS, HOFER, GILSON & LIONE
STREET: NBC TOWER - Suite 3600, 455 N. Cityfront
STREET: NBC TOWER - Suite 3600, 455 N. Cityfront
STREET: Lilinois
COUNTRY: USA
ZIP: 60611-5599
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION: 422
ATTORNEY/AGENT INFORMATION:
NAME: Shannon, Karen L.
REGISTRATION NUMBER: 36,675
REFERRENCE/DOCKET NUMBER: 8897/6
TELECPMUNICATION INPORMATION:
THE TOTAL INPOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 100.0%; Score 7; DB 4; Length 21; Best Local Similarity 100.0%; Pred. No. 0.063; Matches 7; Conservative 0; Mismatches 0; Indels
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 amino acids
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Gaps
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Sequence 7, Application US/09077991

Sequence 10. 6207375

GENERAL INFORMATION:

APPLICANT: Subramaniam, M.

APPLICANT: Spelsberg, T.C.

APPLICANT: Spelsberg, T.C.

APPLICANT: Roche, P.C.

TITLE OF INVENTION: (TIEF-1) and a method to detect breast cancer;

TITLE OF INVENTION: (TIEF-1) and a method to detect breast cancer;

TITLE OF INVENTION: (TIEF-1) and a method to detect breast cancer;

TITLE OF INVENTION: (TIEF-1) and a method to detect breast cancer;

FILE REPERENCE: 150.1570S2

CURRENT APPLICATION NUMBER: US/09/077,991

CURRENT FILING DATE: 1998-12-11

EARLIER PILING DATE: 1996-12-11

SARLIER PILING DATE: 1996-12-11

NUMBER OF SEQ ID NOS: 13

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 7

LENGTH: 77
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Best Local Similarity 100.0%; Pred. No. 0.19;
Matches 7; Conservative 0; Mismatches 0; Indels
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           COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FactSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/570,227A
FILING DATE: 11-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: Woesener, Warren D
REGISTRATION NUMBER: 150,1410
REFERENCATION NUMBER: 150.157US1
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
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Best Local Similarity 10v..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
Diskette
                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 612-359-3263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-077-991-7
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70 RSDHLSK 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: 813
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
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MEDIUM TYPE:
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US-09-077-991-8
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US-09-077-991-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
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APPLICANT: Subramaniam, M.; APPLICANT: Subramaniam, M.; APPLICANT: Spelsberg, T. C.; TITLE OF INVENTION: DA ENCONDING TGF-BETA INDUCIBLE TITLE OF INVENTION: BY OSTEOBLASTS
ITILE OF INVENTION: BY OSTEOBLASTS; NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth, P.A.
STREET: P.O. Box 2938
CITY: Minneapolis
STATE: MN.
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                     GENERAL NO. 5981217
GENERAL INFORMATION:
APPLICANT: Subramaniam, M.
APPLICANT: Spelsberg, T. C.
TITLE OF INVENTION: DNA ENCONDING TGF-BETA INDUCIBLE
TITLE OF INVENTION: BARLY FACTOR-1 (TIEF-1), A GENE EXPRESSED
TITLE OF SEQUENCES:
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth, P.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 77;
                                                                                                                                                                  ADDRESSE: Schwegman, Lundberg, Woessner & Kluth, P.A. STREET: P.O. Box 2938 CITY: Minneapolis STATE: MN
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100.0%; Score 7; DB 2;
Best Local Similarity 100.0%; Pred. No. 0.19;
Matches 7; Conservative 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                  COUNTY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATION SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/570,227A
FILING DATE: 11-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/570,227A
FILING DATE: TOPEC-1995
CLASSIFICATION NUMBER: 30,440
REFERENCE/DOCKET NUMBER: 30,440
REFERENCE/DOCKET NUMBER: 30,440
REFERENCE/DOCKET NUMBER: 150.157USI
TELECOMMUNICATION INFORMATION:
TELECHONE: 612-359-3269
    Sequence 6, Application US/08570227A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acids
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-570-227A-6
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COMPUTER READABLE FORM:
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US-09-229-007A-9
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; Sequence 8, Application US/09077991
; Patent No. 6207375
; GENERAL INFORMATION:
; APPLICANT: Subramaniam, M.;
; APPLICANT: Sublabergy T.C.;
; TITLE OF INVENTION: TGF-Beta inducible early factor-1; TITLE OF INVENTION: (TIEF-1) and a method to detect breast cancer; FILE REFERENCE: 150.157032
; CURRENT APPLICATION WUMBER: US/09/077,991
; CURRENT APPLICATION NUMBER: PCT/US96/19555
; EARLIER PAPLICATION NUMBER: PCT/US96/19555
; EARLIER PILING DATE: 1996-12-11
; BARLIER FILING DATE: 1996-12-11
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PastSEQ for windows Version 3.0
; SEQ ID NO 8
; LENGTH: 77
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Sequence 9, Application US/09077991

Patent No. 6207375

GENERAL INFORMATION:

APPLICANT: Subramaniam, M.;

APPLICANT: Spelsberg, T.C.

APPLICANT: Roche, P.C.

TITLE OF INVENTION: TGF-Beta inducible early factor-1

TITLE REFERENCE: 150.157082

FILE REFERENCE: 150.157082

CURRENT APPLICATION NUMBER: PCT/US96/19555

EARLIER FILING DATE: 1996-12-11

SARLIER PILING DATE: 1996-12-11

NUMBER OF SEQ ID NOS: 13

SEQ ID NO 9

LENGTH: 77
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0.19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 3; Length 77; 100.0%; Pred. No. 0.19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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100.0%; Pred. No.
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Patent No. 6453242
GENERAL INFORMATION:
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Case, Casey C.
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-077-991-8
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US-09-077-991-9
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70 RSDHLSK 76
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Gardence 9, Application US/10113424

| Batent No. 6785613 |
| Patent No. 6785613 |
| Patent No. 6785613 |
| Garbal INPORMATION: |
| APPLICANT: Elsenberg, Stephen P. |
| APPLICANT: Case, Casey C. |
| APPLICANT: Case, Casey C. |
| APPLICANT: Case, Casey C. |
| APPLICANT: Sangamo Biosciences N. |
| APPLICANT: Sangamo Biosciences N. |
| APPLICANT: Sangamo Biosciences N. |
| TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger FILE REFERENCE: 019496-00180018 |
| TITLE OF INVENTION: OB Bind to Preselected Sites |
| TITLE OF INVENTION: US 1910 |
| TITLE OF INVENTION NUMBER: US/10/113,424 |
| CURRENT APPLICATION NUMBER: US/09/229,007A |
| PRIOR APPLICATION NUMBER: US/09/229,007A |
| PRIOR APPLICATION NUMBER: US/09/229,007A |
| SEQ ID NO 9 |
| LENGTH APPLICANT NUMBER: US/09/229,007A |
| SEQ ID NO 9 |
| LENGTH NO 
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APPLICANT: Cox III, George N.
APPLICANT: Jamieson, Andrew
APPLICANT: Sandano, Andrew
APPLICANT: Rebar, Edward J.
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger Proteins
TITLE OF INVENTION: to Bind to Preselected Sites
FILE REFERENCE: 019496-001800US
CURRENT APPLICATION NUMBER: US/09/229,007A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SOFTWARE: Patentin Ver. 2.1
ERNGTH: 94
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:amino acids OTHER INFORMATION: 531-624 in Sp-1 transcription factor
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100.0%; Pred. No. 0.23;
tive 0; Mismatches
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100.0%; Pred. No. 0.23;
ative 0; Mismatches
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US-09-716-637-16
'Sequence 16, Application US/09716637
'Patent No. 6794136
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100...
7; Conservative
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Best Local Similarity
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FEATURE:
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                                                                                                                                                                                                                                                                             ) OTHER INFORMATION: Description of Artificial Sequence: Sp-1 protein ; OTHER INFORMATION: portion US-09-716-637-16
                         APPLICANT: LIU, Qiang
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, Andrew
APPLICANT: REBAR, Edward
TITLE OF INVENTION: TERATIVE OPTIMIZATION IN THE DESIGN OF BINDING
FILE REFERENCE: 8325-0020
CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT PILING DATE: 2001-10-12
NUMBER OF SEQ. ID NOS: 35
SOFTWARE: PATENTIN Ver. 2.0
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Patent No. 6777185
GENERAL INFORMATION: APPLICANT: Case, Casey C. APPLICANT: Zhang, Lei
APPLICANT: Sangamo Biosciences, Inc.
               APPLICANT: EISENBERG, Stephen P.
                                                                                                                                                                                             SEQ ID NO 16
LENGTH: 94
TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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78 RSDHLSK 84
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GENERAL INFORMATION:
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US-09-925-796-15
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US-09-395-448-15
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LENGTH: 97
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FILE REFERENCE: 019495-002000US
CURRENT APPLICATION NUMBER: US/09/925,796
CURRENT FILING DATE: 2001-08-09
PRIOR FILING DATE: 1999-09-14
PRIOR FILING DATE: 1999-09-14
PRIOR FILING DATE: 1999-01-12
PRIOR FILING DATE: 1
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GenCore version 5.1.6
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December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec Run on:

OM protein - protein search, using sw model

US-09-846-033B-88 Title: Perfect score: Sequence:

1 RSDALTQ 7

OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

478139 segs, 66318000 residues Searched:

Total number of hits satisfying chosen parameters: 7 Word size :

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Issued Patents AA:* Database

1: /cgn2_6/ptcdata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptcdata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptcdata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptcdata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description ü Ouery Score Match Length DB Result No.

No matches found

Search completed: December 27, 2004, 20:31:03 Job time : 15.85 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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OM protein - protein search, using sw model

December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec Run on:

US-09-846-033B-87

1 QSSHLAR 7 Title: Perfect score: Sequence:

OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

478139 segs, 66318000 residues Searched:

1 Word size : Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database

1seued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

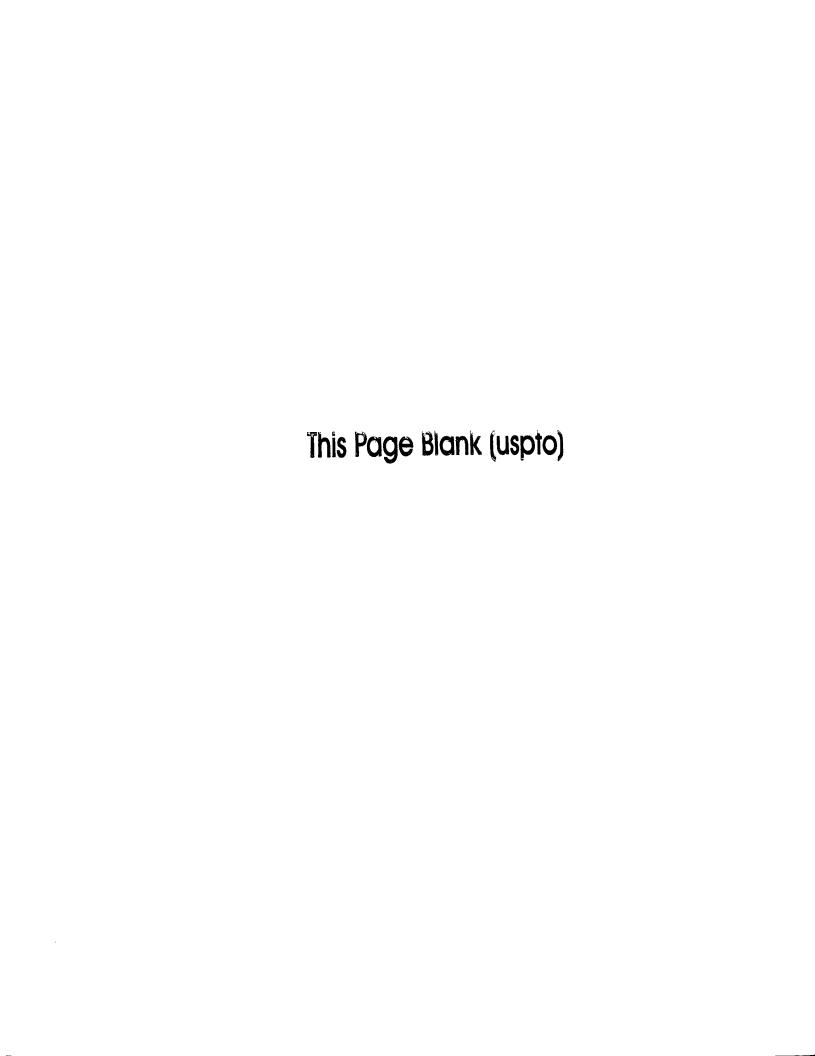
SUMMARIES

G Query Score Match Length DB Result No.

Description

No matches found

Search completed: December 27, 2004, 20:31:03 Job time : 15.85 secs



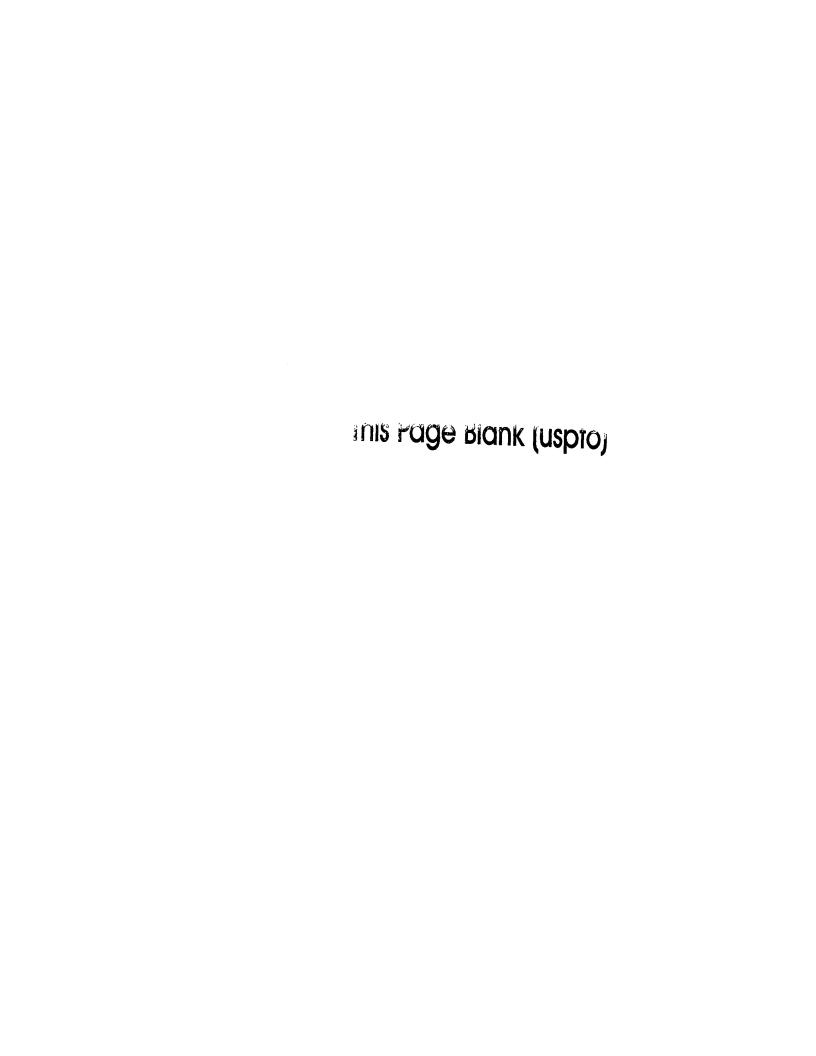
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Sequence 23, Application US/09731558

Patent No. 6503717

GENERAL INFORMATION:

APPLICANT: Case, Cas
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                                                                                                                                                                                                                                                              December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Listing first 45 summaries
                                                                                                                                                                               OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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Score Match Length DB
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LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence:
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OM protein - protein search, using sw model

December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec Run on:

US-09-846-033B-84

1 MSHHLSR 7 Title: Perfect score: Sequence:

OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

478139 segs, 66318000 residues Searched:

7 Word size : Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Issued_Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:* Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description C Query Score Match Length DB . No

Normatches found

Search completed: December 27, 2004, 20:31:02 Job time : 15.85 secs



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Indels Length 7;

Title: Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Word size :

Searched:

Database :

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APPLICANT: Case, Casey C.
APPLICANT: Cox III, George N.
APPLICANT: Cox III, George N.
APPLICANT: Janieson, Andrew
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger Proteins
TITLE OF INVENTION: to Bind to Preselected Sites
FILE REFERENCE: 019496-001800US
CURRENT APPLICATION NUMBER: US/09/229,007A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SOFTWARE PATENTIN Ver. 2.1
SEQ ID NO 94
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Description of Artificial Sequence:phage display; OTHER INFORMATION: selected and mutagenized US-09-494-190-69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: ZFP sequence; OTHER INFORMATION: (F1, F2 and F3) from SBS design GR-223 US-09-229-007A-94
                                                                                                                                                                                                                                                                                            RESULT 2
US-09-494-190-69
i Sequence 69, Application US/09494190
i Sequence 61, Application US/09494190
i Retent No. 6610512
i GENERAL INFORMATION:
I TITLE OF INVENTION: ZINC FINGER BINDING DOMAINS FOR GNN FILE REFERENCE: TSRI 645.2
i CURRENT APPLICATION NUMBER: US/09/494,190
CURRENT APPLICATION NUMBER: US/99/07742
i PRIOR FILING DATE: 1999-10-14
i PRIOR FILING DATE: 1999-10-14
i PRIOR FILING DATE: 1999-10-14
i RIOR FILING DATE: 1999-10-16
i NUMBER OF SEQ ID NOS: 126
i SEQ ID NO 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05;
                                                                   100.0%; Score 7; DB 3; Le
100.0%; Pred. No. 3.8e+05;
ive 0; Mismatches 0;
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OTHER INFORMATION: codon binding sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Eisenberg, Stephen P.
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ORGANISM: Artificial Sequence
                                                    Query Match
Best Local Similarity 100..
Lna 7; Conservative
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nes 7; Conserv
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          ; US-09-173-941-69
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Sequence 69, 1
Sequence 94, 1
Sequence 94, 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Description
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Patent No. 6140081
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: ZINC FINGER BINDING DOMAINS FOR GNN FILLE REFERENCE: NOV0081S
CURRENT APPLICATION NUMBER: US/09/173,941
CURRENT FILING DATE: 1998-10-16
NUMBER OF SEQ ID NOS: 120
SOFTWARE: Patentin Ver. 2.1
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1: /cgn2_6/ptodatcal/liaa/5A_COMB.pep:*
/cgn2_6/ptodatcal/liaa/5B_COMB.pep:*
3: /cgn2_6/ptodatcal/liaa/6A_COMB.pep:*
/: /cgn2_6/ptodatcal/liaa/6B_COMB.pep:*
5: /cgn2_6/ptodatcal/liaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodatcal/liaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodatcal/liaa/PCTUS_COMB.pep:*
                                                         Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-173-941-69
US-09-494-190-69
US-09-229-007A-94
US-10-113-424-94
                               GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compug
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                                                                                                                                  - protein search, using sw model
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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-09-173-941-69

SEQ ID NO 69

Score

Result

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Gaps

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US-1U-113-424-94
; Sequence 94, Application US/10113424
; Sequence 94, Application US/10113424
; Patent No. 6785613
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, Stephen P.
; APPLICANT: Cox III, George N.
; APPLICANT: Annieson, Andrew
; APPLICANT: Sangamo Biosciences, Inc.
; TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger Proteins TITLE OF INVENTION: to Bind to Preselected Sites
; TITLE OF INVENTION: to Bind to Preselected Sites
; TITLE OF INVENTION: to Bind to Preselected Sites
; TITLE OF INVENTION: 1019496-001800US
; CURRENT APPLICATION NUMBER: US/10/113,424
; CURRENT FILING DATE: 1999-01-12
; NUMBER OF SEQ ID NOS: 97
; SEQ ID NO 94
; LENGTH PLING LENGTH Ver. 2.1
; SEQ ID NO 94
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OTHER INFORMATION: Description of Artificial Sequence: ZFP sequence:
CTHER INFORMATION: (F1, F2 and F3) from SBS design GR-223
US-10-113-424-94
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Query Match
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 7; Conservative 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
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8 RSDHLTR 14
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Search completed: December 27, 2004, 20:31:02 Job time : 15.85 secs

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TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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1 RSDHLTT 7
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LENGTH: 7
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Sequence 1, Appli
Sequence 8, Appli
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                                                                                                                   December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec
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/cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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                 GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-139-762A-19
US-08-040-548-19
US-08-466-344-19
US-09-229-007A-95
US-10-113-424-95
US-10-113-424-95
US-08-620-151-111
US-08-620-151-111
US-08-466-344-34
US-09-127-926-1
US-09-177-926-1
US-09-178-637-1
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US-08-466-344-8
US-08-863-813A-5
US-08-676-318A-5
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                                                                                     - protein search, using sw model
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Maximum DB seq length: 200000000
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Match Length DB
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Sequence 8, 7
Sequence 1278
Patent No. 520
Sequence 6, 7
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US-09-614-679A-19
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; Sequence 19, Application US/09139762A
; Patent No. 6013453
; GENERAL INFORMATION:
   APPLICANT: Choo, Yen
   APPLICANT: Choo, Yen
   APPLICANT: Ganchez Garcia, Isidro
   TITLE OF INVENTION: Improvements in or Relating to
   TITLE OF INVENTION: Improvements in or Recognition of DNA
   TITLE OF INVENTION: 125
   CORRESPONDENCE ADDRESS:
   ADDRESSEE: 1100 New York Avenue, N.W.
   CITY: Washington
   STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA
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100.0%; Pred. No. 3.8e+05;
iive 0; Mismatches 0; Inde
US-09-500-700-5
US-08-224-482-11
US-08-863-813A-34
US-08-663-813A-34
US-08-676-318A-34
US-09-500-700-34
US-09-500-700-34
US-09-500-700-34
US-09-500-700-44
US-08-676-318A-44
US-08-676-318A-44
US-08-576-318A-44
US-08-576-318A-44
US-09-538-092-1278
US-09-238-092-1278
US-09-238-092-1278
US-08-224-482-6
US-08-224-482-6
US-08-224-482-6
US-08-224-482-6
US-08-04-548-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: LIU, XIAOHAI
TITLE OF INVENTION: MOLECULES
FILE REFERENCE: 71278/271599
CURRENT APPLICATION NUMBER: US/09/614,679A
CURRENT FILING DATE: 2000-07-12
SUMUMBER OF SEQ ID NOS: 24
SOFTWARE: PATENTIN Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19, Application US/09614679A
Patent No. 6492117
GENERAL INFORMATION:
APPLICANT: CHOO, YEN
APPLICANT: ISALAN, MARK
APPLICANT: BALASUBRAMANIAN, SHANKAR
APPLICANT: LIU, XIAOHAI
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CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: COUGHLID, Daniel F.
REGISTRATION NUMBER: 36,111
REFREENCE/POCKET NUMBER: arcd
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 744-0090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (312) 245-4961
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.0
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                                                                                                                                                                                                                                                                                                                             TOPOLOGY: unknown; MOLECULE TYPE: peptide US-09-139-762A-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
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US-08-040-548-19
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Sequence 53, Application US/09139762A
Patent No. 6013453
GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Klug, Aaron
APPLICANT: Sanchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 7; DB 3; Length 10; 100.0%; Pred. No. 0.017; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 1100 New York Avenue, N.W. CITY: Washington COUNTRY COUNTRY
                                                                                                                                                                            PILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UNU-1997
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AuG-1995
RIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-UU-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
PRIOR APPLICATION DATA:
BRPILICATION ONDERS: GB 9416880.4
FILING DATE: 20-AuG-1994
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHRACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 2005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IS PC COMPATIBLE
COMPUTER: IS PC COMPATIBLE
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WOORD Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UN-1997
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Best Local Similarity 100.
Matches 7; Conservative
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MOLECULE TYPE: peptide
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US-09-139-762A-53
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Patent No. 5763209

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS
NUMBER OF SEQUENCES: 67

CORRESPONDENCES: Annold, White & Durkee
STREET: 321 No. 5763209th Clark Street, Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
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100.0%; Score 7; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.031;
Matches 7; Conservative 0; Mismatches 0; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/040,548
FILING DATE:
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA: 4B-101-1995
PRIOR APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 aming acids
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us-09-846-033b-81.olig7.rai

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FILE REFERENCE: 019496-001800US
CURRENT APPLICATION NUMBER: US/09/229,007A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SEQ ID NO 95
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-113-424-95
; Sequence 95, Application US/10113424
; Patent No. 6785613
                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 95
LENGTH: 21
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                               FEATURE:
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APPLICANT: Elsenberg, Stephen P.
APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Jamieson, Andrew
APPLICANT: Sengamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences Inc.
APPLICANT: Sangamo Biosciences Inc.
APPLICANT: Sangamo Biosciences Inc.
APLICE OF INVENTION: Proteins and Methods of Designing Zinc Finger Proteins
TITLE OF INVENTION: to Bind to Preselected Sites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                  Sequence 19, Application US/08466344

Batent No. 5773583

GENERAL INFORMATION:
APPLICANT: SUKhatme, Vikas P.
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS
NUMBER OF SEQUENCES: 67

CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IMP PC compatible

ORBERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,344

FILING DATE: 06-JUN-1995

CLASSIFICATION: 514

PRIOR APPLICATION NUMBER: 08/040,548

FILING DATE: 31-MAR.1993

ATTORNEY/AGENT INFORMATION:

NAME: COUGHIN, Daniel F.

REFERENCE/DOCKET NUMBER: arcd067

TELEPHONE: (312) 744-0090

TELEPHONE: (312) 245-4961

INFORMATION FOR SEQ ID NO: 19: SEQUENCE CHARACTERISES.
                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Arnold, White & Durkee
STREET: 321 No. 5773583th Clark Street, Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 6
US-09-229-007A-95
; Sequence 95, Application US/09229007A
; Patent No. 6453242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20 amino acids
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                      STREET: 321 NO. 5
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: si
                                                                    RSDHLTT 15
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                                 RSDHLTT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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US-10-113-424-95
OTHER INFORMATION: Description of Artificial Sequence: ZFP sequence; OTHER INFORMATION: (F1, F2 and F3) from Zif 268
US-09-229-007A-95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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| Patent No. 15928955
| GENERAL INFORMATION:
| APPLICANT: William | Minimary | Mini
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                                                                                                                                                                                                                                                                                       Length 21;
                                                                                                                                                                                                                                                                                       100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.033;
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                                                                                                                                                                                                                                                                                                                                                  Query Match
100.0%; Score 7; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 7; Conservative 0; Mismatches 0; Indels
INFORMATION FOR SEQ ID NO: 34:
                                    SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100..
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STRANDEDNESS: sir
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US-09-058-459-1
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| Sequence 34, Application US/08040548 |
| Patent No. 5763209 |
| Patent No. 5763209 |
| Patent No. 5763209 |
| APPLICANT: SUKhatme, Vikas P. |
| TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE TITLE OF INVENTION: WINGTONAL DOMAINS OF DNA BINDING PROTEINS NUMBER OF SEQUENCES: 67 |
| CORRESPONDENCE ADDRESS: ADDRESSE: ATNOIG, White & Durkee STREET: 321 No. 5763209th Clark Street, Suite 800 |
| CITY: Chicago |
| STATE: Illinois |
| COUNTRY: US.A. |
| CONDUTER FRADABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATION COMPATION SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 |
| CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/040,548 |
| APPLICATION NUMBER: US/08/040,548 |
| CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/040,548 |
| CONTACT APPLICATION DATA: APPLICATI
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Best Local Similarity 100.0%; Pred. No. 0.04;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                             COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: R10py disk

COMFUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENY APPLICATION DATE: 22-MAR-1996

FILING DATE: 22-MAR-1996

CLASSIFICATION: 422

ATTORNEY/AGBNT INFORMATION:

NAME: Shannon, Karen L.

REGISTRATION NUMBER: 85.675

REGISTRATION NUMBER: 85.675

REGISTRATION NUMBER: 85.675

RETERPONE: 312-31-4290

TELEPHONE: 312-31-4290

INFORMATION FOR SEQ ID NO: 111:
SEQUENCE CHARACTERISTICS:

LENGTH: 26 amino acids

TYPE: amino acid
        ADDRESSEE: BRINKS, HOFER, GILSON & LIONE
STREET: NBC Tower - Suite 3600, 455 N. Cityfront
STREET: Plaza Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: COUGHLIA, Daniel F.
REGISTRATION NUMBER: 36,111
REFERENCE/DOCKET NUMBER: arcd067
TELEPHONE: (1312) 744-090
TELEPAX: (312) 245-4961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-620-151-111
                                                                                    STREET: Plaza Dri
CITY: Chicago
STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13 RSDHLTT 19
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APPLICANT: Mayo, Stephen L.
APPLICANT: Dahyat, Bassil L.
APPLICANT: Dahyat, Bassil L.
APPLICANT: Gordon, D. Benjamin
APPLICANT: Street, Arthur
APPLICANT: Street, Arthur
APPLICANT: Street, Arthur
APPLICANT: Su, Yaoying
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
FILE REPERENCE: A65353-4/RFT/RMS/SJR
CURRENT FILING DATE: 1998-07-31
PRIOR APPLICATION NUMBER: 60/061,097
PRIOR PELING DATE: 1997-10-03
PRIOR PELING DATE: 1997-10-03
PRIOR PELING DATE: 1998-04-10
PRIOR PELING DATE: 1998-04-10
PRIOR PILING DATE: 1998-04-10
PRIOR FILING DATE: 1998-04-10
PRIOR FILING DATE: 1998-06-01
NUMBER: OF SEQ ID NOS: 99
SOFTWARE: PatentIn Ver: 2.1
SEQ ID NO 1
LENGTH: 28
                                                                        APPLICANT: Mayo, Stephen L.
APPLICANT: Mayo, Stephen L.
APPLICANT: Dahiyat, Bassil I.
APPLICANT: Gordon. D. B.
APPLICANT: Street, Arthur
TITLE OF INVENTION: APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN
FILE REPRENTENCE: A65353-3/FF/FMS/SJR
CURRENT APPLICATION NUMBER: U5/09/058,459
CURRENT FILING DATE: 2000-04-10
PRIOR PILING DATE: 1997-04-11
PRIOR FILING DATE: 1997-08-04
PRIOR FILING DATE: 1997-08-04
PRIOR PILING DATE: 1997-08-04
PRIOR APPLICATION NUMBER: 60/061,097
PRIOR PILING DATE: 1997-10-03
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin Ver. 2.1
LENGTH: 28
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Patent No. 6269312
GENERAL INFORMATION:
Sequence 1, Application US/09058459
Patent No. 6188965
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
CRGANISM: Mouse
US-09-058-459-1
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Sequence 2, Application US/09240179

Patent No. 6410248

GENERAL INFORMATION:

APPLICANT: Greisman, Harvey A.

APPLICANT: Pabo, Carl O.

APPLICANT: Pabo, Carl O.

APPLICANT: Massachusetts Institute of Technology

TITLE OF INVENTION: Finger Proteins for Diverse DNA Target Sites

TITLE OF INVENTION: Finger Proteins for Diverse DNA Target Sites

TITLE OF INVENTION NUMBER: US/09/240,179

CURRENT FILING DATE: 1999-01-29

CURRENT FILING DATE: 1999-01-29

MUMBER OF SEQ ID NOS: 65

SOFTWARE: PatentIN Ver. 2.0

SEQ ID NO 2

LENDING: APPLICATION NUMBER: US 60/073,223

EARLIER FILING DATE: 1998-01-30

SEQ ID NO 2

LENDING: PatentIN Ver. 2.0

SEQ ID NO 2

LENDING: APPLICATION NUMBER: US 60/073,223
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100.0%; Score 7; DB 3; Length 28; 100.0%; Pred. No. 0.043; ive 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
----hes 7; Conservative
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US-09-714-357-1
; Sequence 1, Application US/09714357
; Patent No. 6708120
; GENERAL INFORMATION:
; APPLICANT: Mayo, Stephen L.
; APPLICANT: Dahiyat, Bassil I.
; APPLICANT: Street, Arthur
; TITLE OF INVENITON: APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN
; TILE OF INVENITON: APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN
; TILE REFRENCE: A65353-3/RFT/RMS/SJR
; CURRENT APPLICATION NUMBER: US/09/714,357
; CURRENT APPLICATION NUMBER: 09/058,459
; PRIOR FILING DATE: 1998-04-10
; PRIOR FILING DATE: 1997-08-04
; PRIOR PELING DATE: 1997-08-04
; PRIOR PELING DATE: 1997-10-03
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
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100.0%; Score 7; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.043;
Matches 7; Conservative 0; Mismatches 0; Indels
Query Match 100.0%; Score 7; DB 4; Length 28; Best Local Similarity 100.0%; Pred. No. 0.043; Matches 7; Conservative 0; Mismatches 0; Indels
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; ORGANISM: Mouse
US-09-714-357-1
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Patent No. 6503717
GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Liu, Qiang
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REPERENCE: 019496-002310US
CURRENT APPLICATION NUMBER: US/09/731,558
CURRENT FILING DATE: 2000-12-06
FRIOR APPLICATION NUMBER: US 09/456,100
FRIOR APPLICATION NUMBER: US 09/456,100
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
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                                                                                                                                          December 27, 2004, 19:21:38; Search time 15.85 Seconds (without alignments) 29.289 Million cell updates/sec
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                        Compugen Ltd.
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compug
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                                                                                                OM protein - protein search, using sw model
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Maximum DB seq length: 2000000000
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Score Match Length DB
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Perfect score:
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LENGTH: 7
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SBS11
; OTHER INFORMATION: recognition helix
US-09-731-558-22
Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 DRSHLAR 7
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Db 1 DRSHLAR 7
Search completed: December 27, 2004, 20:31:02
Job time: 16.85 secs
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Sequence 30, Appl
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| Sequence 30. Application US/09716637
| Patent No. 6794136
| GENERAL INFORMATION:
| APPLICANT: EISENBERG, Stephen P. APPLICANT: APPLICANT: APPLICANT: REBAR, Edward
| APPLICANT: REBAR, Edward
| TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING TITLE OF INVENTION: PROTEINS |
| TITLE OF INVENTION: PROTEINS |
| TITLE OF INVENTION: DEPOSITE 2001 |
| CURRENT PILING DATE: 2001-10-12 |
| NUMBER OF SEQ ID NOS: 35 |
| SEQ ID NO 30 |
| LENGTH: 7 |
| LENGTH: 7 |
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                                                                                                                                              December 27, 2004, 18:12:11; Search time 15.9 Seconds (without alignments) 29:197 Million cell updates/sec
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1: \cgn2_6\ptodata/1\iaa/5A_COMB.pep:*
\cgn2_6\ptodata/1\iaa/5B_COMB.pep:*

3: \cgn2_6\ptodata/1\iaa/6A_COMB.pep:*

4: \cgn2_6\ptodata/1\iaa/6B_COMB.pep:*

5: \cgn2_6\ptodata/1\iaa/BECOMB.pep:*

6: \cgn2_6\ptodata/1\iaa/PCTUS_COMB.pep:*

6: \cgn2_6\ptodata/1\iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Gapop 60.0 , Gapext 60.0
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Score Match Length DB
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US-09-716-637-30
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No.
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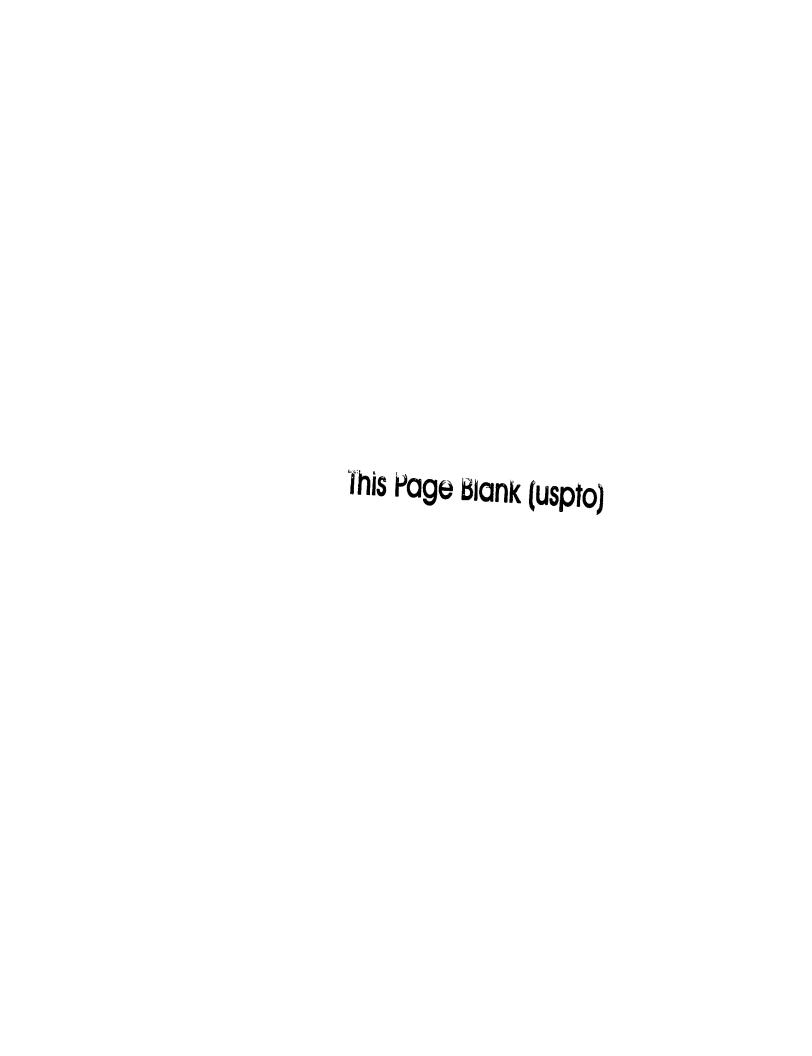
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                                                                      Gaps
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; OTHER INFORMATION: Description of Artificial Sequence: VEGF-II US-09-716-637-30
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                                                                      Indels
                                            Length
                                         100.0%; Score 7; DB 4; Le
100.0%; Pred. No. 3.8e+05;
iive 0; Mismatches 0;
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he : 24.9 secs
                                              Query Match
Best Local Similarity 100.
Matches 7; Conservative
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Sequence 30, Appl
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| Sequence 30, Application US/09716637
| Patent No. 6794136
| GENERAL INFORMATION:
| APPLICANT: EISENBERG, Stephen P. APPLICANT: LIU, Qiang APPLICANT: JAMIESON, Andrew
| APPLICANT: AMIESON, Andrew
| APPLICANT: REBAR, Edward
| TITLE OF INVENTION: IPERATIVE OPTIMIZATION IN THE DESIGN OF BINDING |
| TITLE OF INVENTION: PROTEINS |
| TITLE OF INVENTION: NUMBER: US/09/716,637 |
| CURRENT FILING DATE: 2001-10-12 |
| NUMBER OF SEQ ID NOS: 35 |
| SEQ ID NO 30 |
| LENGTH: 7 
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2: 'cgn2 6/ptodata/1/iaa/5B_COMB.pep:*
3: 'cgn2 6/ptodata/1/iaa/6A_COMB.pep:*
4: 'cgn2 6/ptodata/1/iaa/6B_COMB.pep:*
5: 'cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: 'cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Gapop 60.0 , Gapext 60.0
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ORGANISM: Artificial Sequence
FEATURE:
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Maximum DB seq length: 200000000
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Score Match Length DB
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Perfect score:
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; OTHER INFORMATION: Description of Artificial Sequence: VEGF-II F2
US-09-716-637-30

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.88+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY | RSDNLQR 7 | | | | | | | |
Db | I RSDNLQR 7
Search completed: December 27, 2004, 19:21:24
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Sequence 30. Application US/09716637

Fatent No. 6794136

GENERAL INFORMATION:

APPLICANT: EISENBERG, Stephen P.

APPLICANT: LIU, Qiang

APPLICANT: APPLICANT: REBAR, Edward

APPLICANT: REBAR, Edward

TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING

TITLE OF INVENTION: PROTEINS

FILE REPRENCE: 8325-0020

CURRENT PILING DATE: 2001-10-12

NUMBER OF SEQ ID NOS: 35

SOFTWARE PATENTING OF SEQ ID NOS: 35

SOFTWARE PATENTING DATE: 2001-10-12

SEQ ID NOS: 30

LENGTH: 7
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                                                                                                                                      December 27, 2004, 18:12:11 ; Search time 15.9 Seconds (without alignments) 29:197 Million cell updates/sec
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3: /cgn2 6/ptodata/1/iaa/6A_COMB.pep:*
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6: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                            OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                US-09-846-033B-75
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Maximum DB seq length: 200000000
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Score Match Length DB
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Perfect score:
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; OTHER INFORMATION: Description of Artificial Sequence: VEGF-II F2
US-09-716-637-30

Query Match
Best Local Similarity 100.0%; Score 7; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Search completed: December 27, 2004, 19:21:24
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US-09-779-233-18
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233

Patent No. 6689558

GENERAL INFORMATION:

APPLICANT: Case, Casey,

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

FILE REPRENCE: 8325-0010

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT APPLICATION NUMBER: 2011-02-08

NUMBER OF SEQ ID NOS: 45

SOFTWARE: PatentIn Ver. 2.0
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ORGANISM: Artificial Sequence
FEATURE:
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178 RSDHLSR 184
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Search completed: December 27, 2004, 21:40:39 Job time : 16.35 secs

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Title: Perfect score:

Sequence:

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Description of Artificial Sequence: recognition helix
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US-09-989-789-840
US-09-989-789-1001
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US-09-989-789-1009
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US-09-989-789-1220
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Patent No. US20020045158A1
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
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Patent No. US20020063379A1
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
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ORGANISM: Artificial Sequence
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US-09-989-789-229
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                                                                                                                                        December 27, 2004, 19:43:18; Search time 52.7 Seconds (without alignments) 47.701 Million cell updates/sec
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1: /cgn2_6/ptodata/2/pubpaa/PCT_NBW_PUB_pep:*
1: /cgn2_6/ptodata/2/pubpaa/BCT_NBW_PUB_pep:*
1: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCOMB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO7_NBW_PUB_pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO7_NBW_PUB_pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB_pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
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4: /cgn2_6/ptodata/2/pubpaa/USO8_PUBCOMB.pep:*
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                          GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-989-789-229
US-09-989-789-234
US-09-989-789-234
US-09-989-789-239
US-09-989-789-239
US-09-989-789-426
US-09-989-789-426
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US-09-989-789-426
US-09-989-789-428
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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Sequence 238. Application US/09989789
Fatent No. US20020063379A1
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER: OF SEQ ID NOS: 4085
SEQ ID NO 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 239, Application US/09889789

Patent No. US20020063379A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOCTHARE: PATENTIN VET. 2.0
SEQ ID NO 239
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-238
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                                                                                 Length 7;
                                                                             100.0%; Score 7; DB 9; Lt
100.0%; Pred. No. 1.4e+06;
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US-09-989-789-239
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                 US-09-989-789-234
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Sequence 20, Application US/09989789
Parent No. US20020063379A1
GENERAL INFORMATION:
APPLICAMT: LIJU, QABA
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8125-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 230
LENGTH: APPLICATION OF CONTROL OF
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Patent No. US20020063379A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TILL OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLECTIDE
TILLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REPRENCE: 8325-0011.20 / S11-US2
CURRENT APPLICAND NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 234
LENGTH: 7
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS FILE REFERENCE: 8325-0011.20 / S11-US2 CURRENT APPLICATION NUMBER: US/09/989,789 CURRENT FILING DATE: 2002-03-25 NUMBER OF SEQ ID NOS: 4085 SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 229
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Best Local Similarity 100.*
Matches 7; Conservative
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TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Seguence
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity
Matches 7; Conserv
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Sequence 425, Application US/09989789

Patent No. US2002063379A1

GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789

CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 420, Application US/09989789
Patent No. US20020063379A1
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REPERENCE: 8325-0011.20 / S11-US2
CURRENT PLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
                                                        APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
TITLE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 244
LENGTH: 7
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Sequence 244, Application US/09989789
Patent No. US20020063379A1
GENERAL INFORMATION:
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Best Local Similarity 100.
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Matches 7; Conservative
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; Sequence 428, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
APPLICANT: LIU Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; SOFTWARE: PATENTIN Ver. 2.0
; SEQ.ID NO 428
                                                                                                                                                                                                                                                                                                                                   Sequence 426 Application US/09989789

Refent No. US20020063379A1
GENERAL INFORMATION:
APPLICAMTICATION:
APPLICAMTICAMT. LIU, Oiand
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REPERENCE: 8125-0011.20 / $11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 426
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) OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-425
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nilarity 100.0%; Pred. No. 1.4e+06;
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100.0%; Pred. No. 1.4e+06;
Live 0; Mismatches 0;
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     Sequence 13.14, Application US/09989789
Fatent No. US20020063379A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 83.2-0011.20 / $11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
SOUTHARE: Patentin Ver. 2.0
SEQ ID NOS: 4085
SEQ ID NO 434
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Sequence 832, Application US/09989789

Patent No. US2002006337941

GENERAL INFORMATION:
APPLICANT: LIU, Qiang

TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE

TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS

FILE REFERENCE: 8225-0011.20 / S11-US2

CURRENT APPLICATION NUMBER: US/09/989,789

CURRENT PILING DATE: 2002-03-25

NUMBER OF SEQ ID NOS: 4085

SOGTWARE: Patentin Ver. 2.0

SEQ ID NO 832

LENGTH: 7
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Patent No. US20020063379A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REPRENCE: 8125-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
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Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 7; Conservative 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-09-989-789-434
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Patent No. US20200663379A1
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8125-0011.20 / 811-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-840
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100.0%; Score 7; DB 9; Le
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 7; Conservative 0; Mismatches 0;
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                                                                                TYPE: PRT ORGANISM: Artificial Sequence
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NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 840
LENGTH: 7
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Best Local Similarity 100.
Matches 7; Conservative
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Scoring table:

Word size :

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APPLICANT: EISENBERG, Stephen P.
APPLICANT: EISENBERG, Stephen P.
APPLICANT: LIU, Qiang
APPLICANT: LIU, Qiang
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, ANDREW
TITLE OF INVENTION: TERATIVE OPTIMIZATION IN THE DESIGN OF BINDING
TITLE OF INVENTION: PROTEINS
FILE REFERENCE: 8325-0020
CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT FILING DATE: 2001-10-12
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PATENTIN VET: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: recognition
OTHER INFORMATION: helix
                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0;
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Sequence 44, Application US/09779233

Patent No. 6689558

GENERAL INFORMATION:

APPLICANT: Case, Casey, TILE OF INVENTION:

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

FILE REPERENCE: 8325-0010

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT FILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SOCTHWARE: Patentin Ver. 2.0

SEQ ID NO 44
CURRENT FILING DATE: 2000-12-06
PRIOR PAPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 24
SEQ ID NO 14
LENGTH: 7
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                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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1 RSDHLSR 7
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LENGTH: 7
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Sequence 29, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 30, Appl
Sequence 18, Appl
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Sequence 17, Application US/09731558

Bratent No. 6503717

GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Bangame Blosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT APPLICATION NUMBER: US/09/731,558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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28.393 Million cell updates/sec
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2: /cgn2 6/ptodata/1/iaa/5B COMB.pep:*
3: /cgn2 6/ptodata/1/iaa/6A COMB.pep:*
4: /cgn2 6/ptodata/1/iaa/6B COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
                                    GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
US-09-779-233-49
US-09-229-037-15
US-09-779-233-3
US-09-478-681-30
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 200000000
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Match Length DB
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Endogenous Gene Expression in Cells Using
; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
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US-09-779-233-3
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                                                                                                         Length 99
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100.0%; Score 7; DB 4;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 7; Conservative 0; Mismatches
                                                                                                         100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.16;
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Sequence 3, Application US/09779233

Sequence 3, Application US/09779233

Patent No. 6689558

GENERAL INFORMATION:

TITLE OF INVENTION: CLLLS FOR DRUG DISCOVERY

TITLE OF INVENTION: CLLLS FOR DRUG DISCOVERY

FILE REFERENCE: 8325-0010

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT FILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Baratus, Bric Edward
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous (TITLE OF INVENTION: Regulation of Endogenous); TITLE OF INVENTION: Sangamo Biosciences, TITLE OF INVENTION: Sangamo Biosciences, CURRENT APPLICANTON NUMBER: US/09/229,037A
CURRENT APPLICATION NUMBER: US/09/229,037A
NUMBER OF SEQ ID NOS: 40
SEQ ID NO 30
                                                                                                                                                            0; Mismatches
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; Patent No. 6534261
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 7; Conserv
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Jarvis, Eric Edward
APPLICANT: Jarvis, Eric Edward
APPLICANT: Sngamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn Ver. 2.0
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GENERAL INCORMATION:
APPLICANT: Cox III, George N.
APPLICANT: Case, Casey Christopher
APPLICANT: Edsenberg, Stephen P.
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REFERENCE: 8325-0002.10 / S2-US3
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target : OTHER INFORMATION: site in VEGF promoter US-09-229-037-15
                  ; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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FEATURE:
OTHER INFORMATION: Description of Artificial Sequence; VEGF1 ZFP
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                                                                                                            100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; ive 0; Mismatches 0; Indels
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; Sequence 15, Application US/09229037A
; Patent No. 6534261
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US-09-478-681-15
i Sequence 15, Application US/09478681
j Patent No. 6607882
j Patent No. 6407882
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SEQ ID NO 15
LENGTH: 99
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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LENGTH: 99
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US-09-478-681-30

Sequence 30, Application US/09478681

PREFIX NO. 6607882

PREPLICANT: Case, Casey Christopher

APPLICANT: Case, Casey Christopher

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Spratt, Sharon K.

TITLE OF INVENTION: REGILATION OF ENDOCEMOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USING ZINC FINGER PROTEINS

FILE REPRENCE: 8325-0002.10 / S2-US3

CURRENT APPLICATION NUMBER: US/09/478,681

CURRENT PILING DATE: 2000-01-06

SEQ ID NO 30

LENGTH: 196

LENGTH: 196

TYPE: PRT

ORGANISM: Artificial Sequence

PRATURE: PRT

ORGANISM: Artificial Sequence
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US-09-779-233-18
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Score 7; DB 4; Length 196;

Best Local Similarity 100.0%; Pred. No. 0.3;

Matches 7; Conservative 0; Mismatches 0; Indels
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US-09-779-233-18
Sequence 18, Application US/09779233
Patent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
CURRENT PILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 18
LENGTH: 196
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Search completed: December 27, 2004, 21:40:39
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LENGTH: 7
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Sequence 17, Application US/09731558

Patent No. 6503717

GENERAL INFORMATION:

APPLICANT: Gase, Case, Cas
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Sequence 37, Appl
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28.393 Million cell updates/sec
                                                                                                                                                                                                                                                           December 27, 2004, 20:31:09 ; Search time 16.35 Seconds
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2: /cgn2_6/prodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/prodata/1/iaa/6A_COMB.pep:*
5: /cgn2_6/prodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-37
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                                                                                                                                                                      OM protein - protein search, using sw model
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Maximum DB seq length: 200000000
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Match Length DB
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US-09-731-558-17
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                                                 ) OTHER INFORMATION: Description of Artificial Sequence:SBS6; OTHER INFORMATION: recognition helix US-09-731-558-17
                                                                                                                                           Query Match 100.0%; Score 7; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 3.8e+05; Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Score 7; DB 4; Le
Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                              RESULT 2
US-09-779-233-37
Sequence 37, Application US/09779233
Patent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TTLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TILE OF INVENTION: CELLS
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT APPLICATION NUMBER: 201-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIN Ver. 2.0
ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
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Title: Perfect score:

Run on:

Sequence:

Scoring table:

Word size :

Searched:

Database :

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APPLICANT: EISENBERG, Stephen P.
APPLICANT: EISENBERG, Stephen P.
APPLICANT: EISENBERG, Andrew
APPLICANT: LIU, Olang
APPLICANT: LIU, Olang
APPLICANT: REBAR, Edward
TITLE OF INVENTION: TRERATIVE OPTIMIZATION IN THE DESIGN OF BINDING
TITLE OF INVENTION: PROTEINS
FILE REFERENCE: 8325-0020
CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT FILING DATE: 2001-10-12
SOFTWARE: PATENTIN VOS: 35
SOFTWARE: PATENTIN VEY: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence: recognition OTHER INFORMATION: helix
                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0;
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US-09-779-233-44

Sequence 44, Application US/09779233

Patent No. 669558

GENERAL INFORMATION:

APPLICANT: Case, Casey

TITLE OF INVENTION:
FILE REPRENCE: 8325-0010

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT FILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SOFTWARE: PATENTIN VEY: 2.0

SOFTWARE: PATENTIN VEY: 2.0
CURRENT FILING DATE: 2000-12-06
PRIOR PAPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 24
SEQ IPWARE: PatentIn Ver: 2.1
SEQ ID NO 14
LENGTH: 7
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 7; Conservative
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Best Local Similarity
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1 RSDHLSR 7
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Sequence 29, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appl
Sequence 30, Appl
Sequence 30, Appl
Sequence 19, Appl
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Betent No. 6503717:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Liu, Qiang
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT APPLICATION NUMBER: US/09/731,558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                         December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec
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2: /cgn2 6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2 6/ptodata/1/iaa/6A_COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
                                  GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-716-637-29
US-09-716-637-15
US-09-229-037-15
US-09-779-233-3
US-09-478-681-15
US-09-478-681-30
US-09-478-681-30
US-09-478-681-30
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Maximum DB seq length: 200000000
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Match Length DB
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Length 99

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GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Gase, Stephen P.
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Jarvis, Eric Edward
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Line Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PATENTING NOS: 40
SOFTWARE: PATENTING NOS: 40
SOFTWARE: PATENTING NOS: 40
; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter
US-09-478-681-15
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, OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1 US-09-779-233-3
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, OTHER INFORMATION: Description of Artificial Sequence:designed
; OTHER INFORMATION: 6-finger ZPP VEGF3a/1 from KpnI to BamHI
US-09-229-037-30
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                                                                                                         100.0%; Score 7; DB 4; ilarity 100.0%; Pred. No. 0.16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                             US-09-779-233-3
; Sequence 3, Application US/09779233
; Sequence 3, Application US/09779233
; Fatent No. 668958
; GENERAL INFORMATION:
; APPLICANT: Case, Casey
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; FILE REPREBREE: 8325-0010
; CURRENT APPLICATION UNMER: US/09/779,233
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 99
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100.0%; Score 7; DB 4;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 7; Conservative 0; Mismatches
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US-09-229-037-30
'Sequence 30, Application US/09229037A
; Patent No. 6534261
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81 RSDHLSR 87
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Best Local Similarity
Matches 7; Conserv
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Bravis, Edward
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: 21nc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 15
LENGTH: 99
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: REQULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS;
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REFERENCE: 8325-0002.10 / S2-US3;
CURRENT APPLICANT: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SCOTWARE PATENTING DATE: 2000-01-06
SEQ ID NOS: 43
LENGTH: 99
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                ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                                                                                                           0; Indels
                                                                                                                         Length 7;
                                                                                                                      Query Match
100.0%; Score 7; DB 4; Le
Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                           US-09-229-037-15
; Sequence 15, Application US/09229037A
; Patent No. 6534261
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; Sequence 15, Application US/09478681
; Patent No. 6607882
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Best Local Similarity
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                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REFERENCE: 8325-0002.10 / $2-US3
CURRENT APPLICATION: UNMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Artificial Sequence ORGANISM: Artificial Sequence: ZFP-VEGF 3a/1 US-09-779-233-18
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OTHER INFORMATION: Description of Artificial Sequence:designed
OTHER INFORMATION: 6-finger ZFP VEGF3a/1 from KpnI to BamHI
US-09-478-681-30
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100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233

Patent No. 6689558

GENERAL INFORMATION:

APPLICANT: Case, Casey

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

FILE REPRENENCE: 8325-0010

CURRENT APPLICATION WUMBER: US/09/779,233

CURRENT FILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 18

LENGTH: 196
                                                                                        RESULT 8
18-09-478-681-30
'Sequence 30, Application US/09478681
; Patent No. 6607882
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178 RSDHLSR 184
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178 RSDHLSR 184
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LENGTH: 196
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Search completed: December 27, 2004, 21:40:39 Job time : 16.35 secs



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; Patent No. 622504
; Patent No. 622504
; APPLICANT: Briatol-Myers Squibb, Co. APPLICANT: Brandt, Petran
; APPLICANT: Brandt, Petran
; APPLICANT: Brandt, Petran
; APPLICANT: Cloo, Paul M
APPLICANT: Cloo, Paul M
APPLICANT: Goldberg, Steven L
; APPLICANT: Mueller, Joachim A
APPLICANT: Mueller, Joachim A
APPLICANT: Mueller, Joachim
; APPLICANT: Mueller, Garbard
; APPLICANT: Petrand
; TILLE OF INVENTION: Petrand
; FILE REFERENCE: PCT/US 99/23535
; CURRENT APPLICATION NUMBER: US/09/413,814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Seguence 44, Appl
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                                                                                                                                                                        December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec
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2: /cgn2 6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2 6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2 6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      881 3 US-09-413-814-44
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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Score Match Length DB
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APPLICANT: BISENBERGS Stephen P.
APPLICANT: BISENBERGS
APPLICANT: LIU, Qiang
APPLICANT: LIU, Qiang
APPLICANT: LIU, Qiang
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, ANDREW
APPLICANT: JAMIESON, ANDREW
APPLICANTON: TERATIVE OPTIMIZATION IN THE DESIGN OF BINDING
TITLE OF INVENTION: PROTEINS
FILE REFERENCE: 8325-0020
CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT FILING DATE: 2001-10-12
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PATENTIN VET: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence: recognition OTHER INFORMATION: helix
                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
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Facent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 44
CURRENT FILING DATE: 2000-12-06
PRIOR PAPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 14
LENGTH: 7
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                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-779-233-44
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Sequence 29, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appli
Sequence 30, Appli
Sequence 30, Appli
Sequence 18, Appl
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Patent No. 6603717
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: Case, C
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28.393 Million cell updates/sec
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2: /cgn2 6/prodata/1/iaa/5B COMB.pep:*
3: /cgn2 6/prodata/1/iaa/6A COMB.pep:*
4: /cgn2 6/prodata/1/iaa/6B COMB.pep:*
5: /cgn2 6/prodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2 6/prodata/1/iaa/PCTUS COMB.pep:*
                                                                                     Compugen Ltd.
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US-09-779-233-44
US-09-779-233-49
US-09-229-037-15
US-09-779-233-3
US-09-478-681-30
US-09-478-681-30
US-09-478-681-30
US-09-779-233-18
                                                GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compug
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Maximum DB seq length: 200000000
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Match Length DB
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; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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                                                                                               Length 99;
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                                                                                     100.0%; Score 7; DB 4; ilarity 100.0%; Pred. No. 0.16; Conservative 0; Mismatches
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100.0%; Score 7; DB 4;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                            US-09-79-233-3

Sequence 3, Application US/09779233

Sequence 3, Application US/09779233

Sequence 3, Application US/09779233

GENERAL INFORMATION:

APPLICANT: Case, Casey

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

TITLE OF INVENTION WIMBER: US/09/779,233

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT FILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SEQ ID NO 3

LENGTH: 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: COX III, George No. 6534261bert
APPLICANT: Cox III, George No. 6534261bert
APPLICANT: Case, Stephen P.
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Spraft, Sharon Kaye
APPLICANT: Sangamo Biosciences, Inc.
IITLE OF INVENTION: Regulation of Endogenous (TITLE OF INVENTION: Regulation of Endogenous)
TITLE OF INVENTION: Regulation of Endogenous, CITLE REFERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SEQ ID NO 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-229-037-30
; Sequence 30, Application US/09229037A
; Patent No. 6534261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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                                                                          Query Match
Best Local Similarity
7; Conservē
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APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Jarvis, Eric Edward
APPLICANT: Jarvis, Eric Edward
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Cox III, George N.
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Bratt, Sharon K.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 15
LENGTH: 99
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
            ; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                                  100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; cive 0; Mismatches 0; Indel8
                                                                                                                                                                                                                                                                                                                                                    US-09-229-037-15
; Sequence 15, Application US/09229037A
; Patent No. 6534261
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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1 RSDHLSR 7
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US-09-478-681-15
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Sequence 19, Application US/09614679A
Patent No. 6492117
GENERAL INPORMATION:
APPLICANT: CHOO, YEN
APPLICANT: ISALAN, MARK
APPLICANT: PATEL, SACHIN
APPLICANT: BALASUBRAMANIAN, SHANKAR
                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
1 RSDHLTT 7
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US-09-614-679A-19
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Sequence 1, Appli
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                                                             December 27, 2004, 17:02:31; Search time 15.8 Seconds (without alignments) 29.381 Million cell updates/sec
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Sequence 19, p
Sequence 19, p
Sequence 95, p
Sequence 111, p
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Sequence 34, A
Sequence 1, Ap
Sequence 1, Ap
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Sequence 1, Ap
Sequence 13, Ap
Sequence 13, Ap
Sequence 7, Ap
Sequence 7, Ap
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Sequence 19,
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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          GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-139-762A-19
US-08-040-548-19
US-08-466-344-19
US-09-229-007A-95
US-10-113-424-95
US-10-113-424-95
US-08-620-151-111
US-08-620-151-111
US-08-620-151-111
US-08-058-459-1
US-09-127-926-1
US-09-127-926-1
US-09-127-926-1
US-09-127-926-1
US-09-177-92-1
US-09-177-92-1
US-09-177-92-1
US-09-176-637-13
US-09-714-357-1
US-09-716-637-13
US-08-66-374-7
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US-08-66-374-7
US-08-68-748-7
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US-10-057-552-1
US-08-040-548-8
US-08-466-344-8
US-08-863-813A-5
US-08-676-318A-5
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                                                                                                                                                                    478139 segs, 66318000 residues
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                                              OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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Match Length
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                                                                                                                                          Scoring table:
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Sequence 44, Appl
Sequence 44, Appl
Sequence 8, Appli
Sequence 1278, Ap
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Sequence 2, Appli
Sequence 2, Appli
Sequence 66, Appl
                                       Gaps
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Sequence 36,
Sequence 44,
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GENERAL INFORMATION:

APPLICANT: Choo, Yen

APPLICANT: Riug, Aaron

TITLE OF INVENTION: Improvements in or Relating to

TITLE OF INVENTION: Infining Proteins for Recognition of DNA

NUMBER OF SEQUENCES: 125

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pillabury Madison & Sutro, L.L.P.

STREET: 1100 New York Avenue, N.W.

STATE: D.C.
                     Sequence
                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: peptide
US-09-614-679A-19
                                                          Sequence
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US-09-500-700-5
US-08-224-482-11
US-08-863-813A-34
US-08-863-813A-34
US-08-676-318A-36
US-09-500-700-34
US-09-500-700-34
US-09-500-700-44
US-09-500-700-44
US-09-500-700-44
US-09-538-092-1278
US-09-538-092-1278
US-09-538-092-1278
US-08-24-482-6
US-08-046-348-2
US-08-09-939-66
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APPLICANT: BALASUBRAMANIAN, SHANKAR
APPLICANT: LIU, XIAOHAI
TITLE OF INVENTION: MOLECULES
FILE REFERENCE: 71278/271599
CURRENT APPLICATION NUMBER: US/09/614,679A
CURRENT FILING DATE: 2000-07-12
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PATENTIN Ver. 2.1
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Gaps
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Sequence 19, Application US/08040548;
Batent No. 5763209;
GENERAL INFORMATION:
APPLICANT: Sukhatme, Vikas P.
TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS;
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: 321 No. 5763209th Clark Street, Suite 800
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 3; Length 10; 100.0%; Pred. No. 0.017; winnarches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/040,548
APPLICATION NUMBER: PCT/GB95/01949
FILING DATE: 17-ANG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISITICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Coughlin, Daniel F.
REGISTRATION UNMERE: 36.111
REFERENCE/DOCKET NUMBER: arcd067
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (312) 744-0090
TELEFAX: (312) 245-491
INFORMATION FOR SEO ID NO: 19;
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: unknown; MOLECULE TYPE: peptide US-09-139-762A-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
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US-09-139-762A-53
Sequence 53, Application US/09139762A
Fatent No. 6013453
GENERAL INFORMATION:
APPLICANT: Choo, Yen
APPLICANT: Sanchez Garcia, Isidro
TITLE OF INVENTION: Improvements in or Relating to
TITLE OF INVENTION: Binding Proteins for Recognition of DNA
NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTE: D.C.
COUNTE: D.C.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM YYEE: Diskette
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 02-UN-1997
FILING DATE: 17-AUG-1995
FILING DATE: 17-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9514698.1
FILING DATE: 18-UL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9422534.9
FILING DATE: 08-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9416880.4
FILING DATE: 20-AUG-1994
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                     ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
FILING DATE:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/139,762A
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/793,408
FILING DATE: 02-UUN-1997
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         unknown
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Gaps

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Length 21;

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APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Jamieson, Andrew
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger
TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger
TITLE OF INVENTION: Design and Methods of Designing Zinc Finger
TITLE OF INVENTION: Los Bind to Preselected Sites
TITLE OF INVENTION: UNMERR: US/10/113,424
CURRENT APPLICATION NUMBER: US/10/113,424
CURRENT FILING DATE: 1999-01-12
PRIOR FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SOFTWARE PARENTIN Ver. 2.1
SEQ ID NO 95
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: Description of Artificial Sequence:ZFP sequence; OTHER INFORMATION: (F1, F2 and F3) from Zif 268
US-10-113-424-95
                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence:ZFP sequence; OTHER INFORMATION: (F1, F2 and F3) from Zif 268
US-09-229-007A-95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 111, Application US/08620151
Patent No. 5928955
GENERAL INFORMATION:
APPLICANT: IMperiali, Barbara
APPLICANT: Walkup, Grant K.
TITLE OF INVENTION: PEPTIDYL FLUORESCENT CHEMOSENSOR FOR
TITLE OF INVENTION: DIVALENT ZINC
NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 7; DB 4; Length 21; 100.0%; Pred. No. 0.033; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 7; DB 4; Le
100.0%; Pred. No. 0.033;
tive 0; Mismatches 0;
FILE REFERENCE: 019496-001800US
CURRENT APPLICATION NUMBER: US/09/229,007A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 97
SOFWARE: Patentin Ver. 2.1
SEQ ID NO 95
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 95, Application US/10113424
Patent No. 6785613
GENERAL INFORMATION:
APPLICANT: Eisenberg, Stephen P.
                                                                                                                                                                                     TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence
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Matches 7; Conservative
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Best Local Similarity
Matches 7; Conserv
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US-08-620-151-111
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APPLICANT: Elsenberg, Casey C.
APPLICANT: Case, Casey C.
APPLICANT: Cox III, George N.
APPLICANT: Jamieson, Andrew
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Selection of Sites for Targeting by Zinc Finger
TITLE OF INVENTION: Proteins and Methods of Designing Zinc Finger TITLE OF INVENTION: to Bind to Preselected Sites
                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: SUKhatme, Vikas P.
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO THE
TITLE OF INVENTION: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARDOLD, White & Durkee
STREET: 321 No. 5773583th Clark Street, Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 7; DB 1; Length 20; 100.0%; Pred. No. 0.031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARES PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,344
FILING DATE: 06-JUN-1995
CLASSIFICATION DATE: 06-JUN-1995
ATORNEY/AGENT IN TRORNATION: APPLICATION NUMBER: 08/040,548
FILING DATE: 31-MAR-1993
ATORNEY/AGENT INFORMATION:
NAME: COUGHIIN, Daniel F.
REGISTRATION NUMBER: 36,111
REFERENCE/POCKET UNBER: 37,111
REFERENCE/POCKET UNBER: 36,111
REFERENCE/POCKET UNBER: Arcd067
TELEGRHONE: (312) 744.0090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 60610
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-229-007A-95; Sequence 95, Application US/09229007A; Sequence 95, Application US/09229007A; Setent No. 6453242; GENERAL INFORMATION:
                                                                                                                                                                                                                Sequence 19, Application US/08466344
Patent No. 5773583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (312) 245-4961
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: peptide
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9 RSDHLTT 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RSDHLTT 7
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US-08-466-344-19
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100.0%; Score 7; DB 1; Length 28; 100.0%; Pred. No. 0.043;
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Best Local Similarity luv...
7; Conservative
                                                                                                                     LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                             INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
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US-08-466-344-34
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US-09-058-459-1
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| Sequence 34, Application US/08040548 |
| Patent No. 5763209 |
| Patent No. 5763209 |
| Patent No. 5763209 |
| TITLE OF INVENITION: METHODS AND MATERIALS RELATING TO THE TITLE OF INVENITON: FUNCTIONAL DOMAINS OF DNA BINDING PROTEINS NUMBER OF SEQUENCES: 67 CORESPONDENCE ADDRESS: ADDRESSEE: ATNOIG, White & Durkee STREET: 321 No. 5763209th Clark Street, Suite 800 CITY: Chicago STATE: Illinois COUNTRY: U.S.A.  |
| COMPUTER TRADABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATIBLE FORM: MEDIUM TYPE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATE. |
| APPLICATION NUMBER: US/08/040,548 |
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100.0%; Score 7; DB 2; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.04;
Matches 7; Conservative 0; Mismatches 0; Indels
STREET: BRINKS, HOFER, GILSON & LIONE STREET: NBC Tower - Suite 3600, 455 N. Cityfront STREET: Plaza Drive CITY: Chicago STATY: Chicago STATY: Linnois COUNTRY: USA ZIP: 606.
                                                                                                                                     SIREEL: Flacar DILVE
CUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BE PC compatible
CLASSIFICATION NUMBER: US/08/620,151
FILING DATE: 22 AMR.1996
CLASSIFICATION NUMBER: 35,675
REFERENCE/DOCKET NUMBER: 85,97/6
TELEPHONE: 312-321-4209
INFORMATION FOR SEQ ID NO: 111:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 amino acide
STERANDES.
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ATTORNEY/AGENT INFORMATION:
NAME: COUGHLIA, Daniel F.
REGISTRATION NUMBER: 36,111
REFRENCE/DOCKET NUMBER: arcd067
TELEPHONE: (112) 744-0900
TELEPRONE: (312) 245-4961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , MOLECULE TYPE: peptide US-08-620-151-111
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                                                                                              Length 28;
                                                                                                  Indels
                                                                                              100.0%; Score 7; DB 1; Ler
100.0%; Pred. No. 0.043;
Live 0; Mismatches 0;
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ORGANISM: Homo sapien
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APPLICANT: Dahiyat, Bassil L.
APPLICANT: Gordon, D. Benjamin
APPLICANT: Gordon, D. Benjamin
APPLICANT: Gordon, D. Benjamin
APPLICANT: Street, Arthur
APPLICANT: Street, Arthur
APPLICANT: Su, Yaoying
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION: Apparatus and Method for Automated Protein Design
TITLE OF INVENTION NUMBER: 60/091,27,926
CURRENT FILING DATE: 1997-004-11
PRIOR FILING DATE: 1997-004-10
PRIOR FILING DATE: 1997-00-10
PRIOR PILING DATE: 1997-00-10
PRIOR PILING DATE: 1999-00-10
PRIOR PILING DATE: 1999-00-10
PRIOR FILING DATE: 1999-00-10
                                                                            APPLICANT: Mayo, Stephen L.
APPLICANT: Dahiyat, Bassil I.
APPLICANT: Gordon, D. B.
APPLICANT: Gordon, D. B.
TITLE OF INVENTION: APPARATUS AND METHOD FOR AUTOMATED PROTEIN DESIGN
FILE REFERENCE: A65353-3/RFT/RMS/SJR
CURRENT APPLICATION NUMBER: US/09/058,459
CURRENT FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,464
PRIOR PILING DATE: 1997-04-11
PRIOR PILING DATE: 1997-04-11
PRIOR PILING DATE: 1997-08-04
PRIOR PILING DATE: 1997-08-04
PRIOR PILING DATE: 1997-08-04
PRIOR PILING DATE: 1997-08-04
PRIOR PLING DATE: 1997-08-04
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Patent No. 6269312
GENERAL INFORMATION:
Sequence 1, Application US/09058459
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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LENGTH: 28
TYPE: PRT
ORGANISM: MOUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-127-926-1
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WS-09-240-179-2

Sequence 2, Application US/09240179

Sequence 2, Application US/09240179

Sequence 2, Application US/09240179

GENERAL INFORMATION:

APPLICANT: Greisman, Harvey A.

APPLICANT: Massachusetts Institute of Technology

TILLE OF INVENTION: A General Strategy for Selecting High-Affinity Zinc

TILLE OF INVENTION: A General Strategy for Selecting High-Affinity Zinc

TILLE OF INVENTION: A General Strategy for Selecting High-Affinity Zinc

TILLE OF INVENTION: Finger Proteins for Diverse DNA Target Sites

FILE REFERENCE: 019496-00022005

CURRENT FILING DATE: 1999-01-29

EARLIER APPLICATION NUMBER: US 60/073,223

EARLIER PILING DATE: 1998-01-30

NUMBER OF SEQ ID NOS: 65

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 28
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US-09-240-179-2
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                                                                                                                                                                                         APPLICANT: Belletier, Areny, APPLICANT: Pelletier, Jerry, APPLICANT: Pelletier, Jerry, APPLICANT: Raber, Daniel A.
APPLICANT: Raber, Daniel A.
APPLICANT: Bruening, Wendy
APPLICANT: Bruening, Wendy
APPLICANT: Bruening, Wendy
APPLICANT: David E.
TITLE OF INVENTION: Wilms' Tumor Gene
TITLE OF INVENTION: Wilms' Tumor Gene
TITLE OF INVENTION: Wilms: US/09/037,179B
CURRENT APPLICATION WUMBER: US 08/102,942
PRIOR FILING DATE: 1994-09-11-13
PRIOR APPLICATION NUMBER: US 07/415,780
PRIOR FILING DATE: 1989-11-13
PRIOR FILING DATE: 1989-11-13
PRIOR FILING DATE: 1989-11-13
PRIOR FILING DATE: 1984-09-27
NUMBER OF SEQ ID NOS: 21
SOFTWARE: FastSEQ for Windows Version 4.0
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100.0%; Pred. No.
Sequence 15, Application US/09037179B Patent No. 6316599 GENERAL INFORMATION:
APPLICANT: Call, Katherine M. APPLICANT: Claser, Thomas M.
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                                                                                                                                                    Ito, Caryn Y.
Buckler, Alan J.
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Best Local Similarity 100.
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Query Match 100.0%; Score 7; DB 4; Length 28; Best Local Similarity 100.0%; Pred. No. 0.043; Matches 7; Conservative 0; Mismatches 0; Indels
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13 RSDHLTT 19
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                                   1 RSDHLTT 7
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                                                                               RESULT 15
US-09-714-357-1
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Sequence 42, Appl
Sequence 16192, A
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                                                                                                                                     December 27, 2004, 17:02:31 ; Search time 15.8 Seconds (without alignments) 29.381 Million cell updates/sec
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US-09-779-233-42
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-248-796A-16192
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Patent No. 668958
GENERAL INFORMATION:
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PATENTIN Ver: 2.0
SEQ ID NO 42
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                                                                                                                                                                                                                                                                                                                                                                                                        478139 segs, 66318000 residues
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Gapop 60.0 , Gapext 60.0
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ORGANISM: Artificial Sequence
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Maximum DB seq length: 200000000
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RESULT 2
US-09-248-796A-16192
is General 16192, Application US/09248796A
j Patent No. 6747137
GENERAL INFORMATION:
TITLE OF INVENTION: POR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: PCR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: PCR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: PCR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US 60/074,725
FRIOR FILING DATE: 1999-02-13
FRIOR FILING DATE: 1999-02-13
FRIOR FILING DATE: 1999-08-13
FRIOR FILING DATE: 1999-08-13
FRIOR POST: 1999-08-13
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Query Match 100.0%; Score 7; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 3.8e+05; Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Score 7; DB
Best Local Similarity 100.0%; Pred. No. 0.2
Matches 7; Conservative 0; Mismatches
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US-09-248-796A-16192
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Sequence Sequence

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Sequence

Sequence 2639, Sequence 2640, Sequence 2641, Sequence 2683, Sequence 2688, Sequence 2689,

Sequence

Word size :

Database

Searched:

Sequence:

Sequence 2835,

Sequence Sequence Sequence

OM protein

Run on:

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Description of Artificial Sequence: recognition helix
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1.4e+06;
US-09-989-789-1748
US-09-989-789-1771
US-09-989-789-1772
US-09-989-789-1775
US-09-989-789-1775
US-09-989-789-1796
US-09-989-789-1796
US-09-989-789-2513
US-09-989-789-2544
US-09-989-789-2544
US-09-989-789-2544
US-09-989-789-2544
US-09-989-789-2544
US-09-989-789-2544
US-09-989-789-2631
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Patent No. US20020045158A1;
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
CURRENT APPLICATION NUMBER: US/09/779,233;
CURRENT FILING DATE: 2011-02-08;
NUMBER OF SEQ ID NOS: 45;
SOFTWARE: PATENTIN Ver. 2.0
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llarity 100.0%; Pred. No.
Conservative 0; Mismatch
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Patent No. US20020063379A1
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
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ORGANISM: Artificial Seguence
         Similarity 7; Conserva
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OTHER INFORMATION:
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US-09-779-233-42
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                                                                                                                                                                                                                       December 27, 2004, 17:02:31 ; Search time 51.45 Seconds (without alignments) 48.859 Million cell updates/sec
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1: \( cgn2 \frac{6}\) prodata/2/pubpaa/PCT \text{NEW PUBCOMB ppp: *} \)

2: \( cgn2 \frac{6}\) prodata/2/pubpaa/PCT \text{NEW PUB. ppp: *} \)

2: \( cgn2 \frac{6}\) prodata/2/pubpaa/PCT \text{NEW PUB. ppp: *} \)

4: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOG \text{NEW PUB. ppp: *} \)

5: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOG \text{NEW PUB. ppp: *} \)

6: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOB \text{NEW PUB. ppp: *} \)

7: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOB \text{NEW PUB. ppp: *} \)

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9: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOB \text{NEOMB. ppp: *} \)

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11: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOB \text{PUBCOMB. ppp: *} \)

12: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOB \text{PUBCOMB. ppp: *} \)

13: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOB \text{PUBCOMB. ppp: *} \)

14: \( cgn2 \frac{6}\) prodata/2/pubpaa/USOB \text{PUBCOMB. ppp: *} \)

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                                              GenCore version 5.1.6 (c) 1993 - 2004 Compugen Ltd.
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Maximum DB seq length: 200000000
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Gaps

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Indels

Result

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TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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                                           Query Match
Best Local Similarity
Matches 7; Conserv
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US-09-989-789-893
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Patent No. US20020063379A1

GENERAL INFORMATION:

APPLICANT: LIU, Qiang

TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE

TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS

FILE REFERENCE: 8325-0011.20 / S11-US2

CURRENT APPLICATION NUMBER: US/09/989,789

CURRENT APPLICATION NUMBER: 202-03-25

NUMBER OF SEQ ID NOS: 4085

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 202

LENGTH: 7
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Patent No. US20020063379A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REPRESENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 679
LENGTH: 7
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLECTIDE TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS FILE OF INVENTION: TRIPLETS BY ZINC FINGERS CURRENT APPLICATION NUMBER: US/09/989,789 CURRENT FILING DATE: 2002-03-25 NUMBER OF SEQ ID NOS: 4085 SOFTWARE: Patentin Ver. 2.0
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OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-127
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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1 RSDHLAR 7
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US-09-989-789-679
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; Sequence 687, Application US/09989789
; Patent No. US20020063379A1
; GENERAL INFORMATION:
    APPLICANT: LIU, Qiang
    TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
    TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
    TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
    FILE REFERENCE: 8325-0011.20 / S11-US2
    CURRENT PALLICANTON NUMBER: US/09/989,789
    CURRENT PILING DATE: 2022-03-25
    NUMBER OF SEQ ID NOS: 4085
    SEQ ID NO 687
    LENGTH: 7
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Patent No. US20020063379A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
CURRENT PELLING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SEQ ID NO 686
LENGTH: 7
LENGTH: 7
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; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-789-686
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Length 7;
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Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 7; Conservative 0; Mismatches 0;
                             1.4e+06;
     100.0%; Score 7; DB 9; 100.0%; Pred. No. 1.4e+0
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Length 7;

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Sequence 1711, Application US/09989789

Patent No. US20020063379A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: LIU, Qiang

TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE

TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS

FILE REFERENCE: 8325-0011.20 / S11-US2

CURRENT APPLICATION NUMBER: US/09/989,789

CURRENT APPLICATION NUMBER: 2002-03-25

NUMBER OF SEQ ID NOS: 4085

SOFTWARE: PATENTING DATE: 2002-03-25

SOFTWARE: PATENTING DATE: 2002-03-25
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; Sequence 1381, Application US/09989789
; Patent No. US2002063379A1
; GENERAL INFORMATION:
; APPLICANT: LIU, Qiang
; TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
; FILE REFERENCE: 8325-0011.20 / S11-US2
; CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT PILING DATE: 2002-03-25
; SOFTWARE: PATENTIN Ver. 2.0
; SEQ ID NO 1388
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US-09-989-789-1711
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US-09-989-789-1388
                                                                    ; OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-1382
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100.0%; Pred. No. 1.4e+06;
tive 0; Mismatches 0;
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                           ORGANISM: Artificial Sequence FEATURE:
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US-09-989-789-1388
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APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECCGNITION OF GNN NUCLECTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT PAPLICATION DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1382
LENGTH: 7
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Patent No. US20020063379A1

GENERAL INFORMATION:

APPLICANT: LIU, Qiang

TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLECTIDE

TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLECTIDE

TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS

FILE REFERENCE: 8325-0011.20 / S11-US2

CURRENT APPLICAND NUMBER: US/09/989,789

CURRENT FILING DATE: 2002-03-25

NUMBER OF SEQ ID NOS: 4085

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 894
                                                                       APPLICANT: LIU, Olang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLECTIDE
TITLE OF INVENTION: PRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / 811-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PALENTIN Ver. 2.0
SEQ ID NO 893
LENGTH: 7
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US-09-989-789-893
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Sequence 893, Application US/09989789
Patent No. US20020063379A1
GENERAL INFORMATION:
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US-09-989-789-894
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NUMBER OF SEQ ID NOS: 4085

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Sequence 1712, Application US/09989789
Patent No. US2002063379A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: LIU, Oiand
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT APPLING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1712
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Patent No. US20020063379A1
GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT PILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 1747
LENGTH: 7
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Sequence 1746, Application US/09989789

Patent No. US20020063379A1

GENERAL INFORMATION:

APPLICANT: LIU, Olang

TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE

TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS

TITLE REPRESENCE: 8325-0011.20 / $31-US2

CURRENT APPLICATION NUMBER: US/09/989,789

CURRENT PILING DATE: 2002-03-25
                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-1712
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US-09-989-789-1747
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
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Matches 7; Conservative
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1 RSDHLAR 7
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US-09-989-789-1747
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                                                                                                                                                                                                                                                                                                                                           Sequence 1771, Application US/09989789
; Fatent No. US2002006337941
; GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
; CURRENT FILING DATE: 2002-03-25
; NUMBER OF SEQ ID NOS: 4085
; SOFTWARE: Patentin Ver. 2.0
                                                                                         ; OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-1748
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100.0%; Pred. No. 1.4e+06;
vative 0; Mismatches 0;
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100.0%; Pred. No. 1.4e+06;
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                                                    TYPE: PRT
ORGANISM: Artificial Sequence
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1748
LENGTH: 7
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Best Local Similarity 100.º
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Best Local Similarity 100..
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US-09-989-789-1771
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December 27, 2004, 17:02:30 ; Search time 66.75 Seconds (without alignments) 37.620 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                2002273 segs, 358729299 residues
                                                                          OM protein - protein search, using sw model
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

geneseqp2000s:* geneseqp2001s:* geneseqp2002s:* geneseqp2003as:* geneseqp2003bs:* geneseqp2004s:*

SUMMARIES

Description		Abb80792 Human ER-			1 Zinc	7 Zinc	Zinc	Zinc	Zinc	Zinc	1 Zinc	Zinc	Zinc	Zinc	Zinc	Zinc	Zinc	Zinc	Zinc	Zinc	Zinc	Zinc		Zinc	Abp50229 Zinc fing
ID	AAE08727	ABB80792	ABB98019	ABB98034	ABP49764	ABP50067	ABP48642	ABP48652	ABP49518	ABP49797	ABP48621	ABP49260	ABP50082	ABP48649	ABP49794	ABP49410	ABP49590	ABP49515	ABP49593	ABP50667	ABP49662	ABP49902	ABP48405	ABP50064	ABP50229
ength DB	7 4	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5	7 5
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Zinc	Zinc f	Abp49587 Zinc fing	3 Zinc f	l Zinc f	5 Zinc f	Abp50061 Zinc fing	Zinc f	Zinc f		Zinc f	_	Zinc f	_	Zinc f	Zinc f		Zinc f	Zinc fi	Abp50226 Zinc fing	
7 5 ABP48216	7 5 ABP49242	7 5 ABP49587	7 5 ABP49788	7 S ABP49791	7 5 ABP50055	7 S ABP50061	7 5 ABP50292	7 5 ABP50058	7 5 ABP49599	7 5 ABP50079	7 5 ABP49407	7 5 ABP49701	7 5 ABP49893	7 S ABP50052	7 S ABP48645	7 5 ABP50085	7 5 ABP49665	7 5 ABP50091	7 5 ABP50226	
7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	7 100.0	
26	27	28	53	30	31	32	33	3.4	35	36	37	38	39	40	41	42	43	44	45	

ALIGNMENTS

RESULT 1

Post-processing: Listing first 45 summaries

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

A_Geneseq_23Sep04:* geneseqp1980s:* geneseqp1990s:*

Database

Screening compound for interaction with molecular target by contacting compound with cells, comprising exogenous zinc finger protein that modulates expression of target, and determining values of properties of Human, KCA4, EPO, molecular target, zinc finger protein; ZFP; cellular process; signal transduction; drug-screening. Human KCA4 protein Fl recognition helix. AAE08727 standard; peptide; 7 AA (SANG-) SANGAMO BIOSCIENCES INC. 08-FEB-2001; 2001WO-US004301. 08-FEB-2000; 2000US-0181117P. (first entry) WPI; 2001-522491/57. WO200159450-A2. Homo sapiens. 15-NOV-2001 16-AUG-2001. AAE08727; Case C; AAE0872

Example 10; Page 73; 99pp; English.

The invention relates to a method of screening a compound for interaction with a molecular target. The method involves contacting first and second cells with the compound and determining the values of properties of the compound. The second cell comprises an exogenous zinc finger protein (ZFP) that modulates the expression of the molecular target, or isolating membranes from cell comprising ZFP. The methods allow for high throughput screening of candidate compound and reduces the incidence of false positives. The methods are useful for screening a compound for interaction with a molecular target or for screening a compound for its effect on a cellular process. The method is useful for testing a compound for its capacity to transduce a signal to the molecular target or its capacity to block transduction of a signal through the molecular target,

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Wolffe AP,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to regulating the expression of a gene residing in the chromatin of a cell. The method involves identifying one or more accessible regions in cellular chromatin associated with gene; designing a regulatory molecule, where the regulatory molecule comprises a DNA-binding domain targeted to a sequence within the accessible region, and contacting the expression of a gene (e.g., a gene encoding a unclear receptor such as estrogen receptor alpha (ERalpha), estrogen receptor beta (ERbeta), hepatocyte nuclear factor 4 alpha (ENRalpha), estrogen receptor acceptor gamma (PPARgamma), peroxisome proliferator activated receptor gamma (PPARgamma), retinoid X receptor alpha (XXRalpha), caping in the chromatin of a cell. Regulation of gene expression (such as nuclear receptor genes) will be useful in treatment of various capical expression (such residing in the chromatin of a cell. Regulation of gene expression (such as nuclear receptor games), all be useful in treatment of various carry out the regulatory molecule as described above, is contacted with the cell to carry out the regulation. The method is also useful for modulation of gene expression for therapeutic or prophylactic applications e.g., diabeter centinopathy, ischaemia, macular degeneration, rheumatoid arthritis, psoriasis, HIV infection, sickle cell anemia, Alzheimer's
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Regulating expression of gene by contacting cell with regulatory molecule comprising DNA-binding domain targeted to sequence within accessible region of cellular chromatin associated with a gene, and functional
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZFP; cytostatic; antidiabetic; ophthalmological; vasotropic; chromatin; gene expression; antirheumatic; antiarthritic; antipsoriatic; nootropic; neuroprotective; estrogen receptor alpha; ER-alpha;
                                                                                                                                                        Gaps
and for performing biochemical drug-screening assays. The present sequence is human KCa4 protein recognition helix used in the exemplification of the invention
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                                                                                                                   Length 7;
                                                                                                                 Score 7; DB 4; Le
Pred. No. 1.7e+06;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                            ABB80792 standard; peptide; 7 AA.
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                                                                                                                   100.0%;
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Best Local Similarity 100.v.
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                                                                                Sequence 7 AA;
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disease, stroke, etc. The method also has applications in pharmaceutical research of both nuclear receptors of known function as well as those of winknown function. The method also facilitates development of tissue and animal models of disease states, drug validation, and therapeutic product development. The methods also allow identification of the role of nuclear receptors of unknown functions in cellular homeostasis. Sequences ABB80791-1817 represent zinc finger protein (ZFP) DNA-binding domains that were fused to functional domains and tested for their ability to regulate expression of the ER in living cells
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; heparanase; cytostatic; vasotropic; antidiabetic; anti-HIV; ophthalmological; antirheumatic; antiarthritic; antipsoriatic; antipsoriatic; antibacterive; neuroprotective; notropic; cerebroprotective; antibacterial; virucide; protozoacide; fungicide; antiinflammatory; cardiant; immunosuppressive; tumour metastasis; inflammatory disease; allograft rejection; call migration; anglogenesis; basement membrane; extracellular matrix; cancer; ischaemia; diabetic retinopathy; macular degeneration; rheumatoid arthritis; psoriasis; HIV infection; slicke cell anaemia; Alzheimer's disease; macular dystrophy; neurodegenerative disease; vascular disease; candiovascular disease; cystic fibrosis; stroke; gene therapy; zinc finger protein; ZFP.
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100.0%; Pred. No. 1.7e+06;
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control of disease states such as tumour metastasis, inflammatory diseases, allograft rejection, and for inhibiting processes such as cell migration, angiogenesis, and degradation of the basement membrane and/or extracellular matrix. Heparanse-targeted DNA binding domains modulates gene expression, and are useful for therapeutic or prophylactic applications, for e.g. cancer, ischemia, diabetic retinopathy, macular degeneration, rheumatoid arthritis, psoriasis, HIV infection, sickle cell anaemia, Alzheimer's disease, unscular disease, vascular disease, vascular disease, cardiovascular disease, cystic fibrosis, stroke, and bacterial, protozoal, fungal and viral infection. Constructs of the invention may also be useful in gene therapy. The current sequence represents a finger of a three-finger ZFP (zinc finger protein), which has a target site in the human heparanase gene

antianaemic, neuroprotective, nootropic, cerebroprotective, antibacterial, virucide, protozoacide, fungicide, antiinflammatory, cardiant and immunosuppressive. Modulating expression of heparanase gene using constructs of the invention is useful for facilitating targeted

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diseases, allograft rejection, and for inhibiting processes such as cell migration, angiogenesis, and degradation of the basement membrane and/or extracellular matrix. Heparanase-targeted DNA binding domains modulates gene expression, and are useful for therapeutic or prophylactic applications, for e.g. cancer, ischaemia, diabetic retinopathy, macular degeneration, rheumatoid arthritis, psoriasis, HIV infection, sickle cell anaemia, Alzheimer's disease, muscular dystrophy, neurodegenerative disease, cardiovascular disease, cystic fibrosis, siroke, and bacterial, protozoal, fungal and viral infection. Constructs of the invention may also be useful in gene therapy. The current sequence represents a finger of a three-finger ZFP (zinc finger protein), which has a target site in the human heparanase gene
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zinc finger protein; ZFP; DNA binding protein; zinc finger.
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                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                        Length 7;
                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 5; Le
100.0%; Pred. No. 1.7e+06;
                                                                                                                                                                                                                                                                                                    0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                               ABP49764 standard; peptide; 7 AA.
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                                                                                                                                                                                                                                                            Query Match
Best Local Similarity luv...
7; Conservative
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                                                                                                                                                                                                                                               Sequence 7 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Liu O;
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The invention relates to novel heparanase sequences, particularly novel sequences from the regulatory regions upstream and downstream of the coding region. The activity of polynucleotides of the invention may be described as, cytostatic, vasotropic, antidiabetic, anti-HIV, ophthalmological, antirheumatic, antiarthritic, antipsoriatic,

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that it binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites having the nucleotide G in the 5'-most position of the subsite. (I) is useful in studying gene function, and for human therapeutics and plant engineering. (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in a sample, and in assays to detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of gene expression. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity, ABQ71213 to ABQ72214 and ABP48191 to ABP51230 reperseent DNA target sequences and zinc finger peptides which are given in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 7; DB 5; Length 7; 100.0%; Pred. No. 1.7e+06; ive 0; Mismatches 0; Indels
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Best Local Similarity 100.
Matches 7; Conservative
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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (F1), a second (F2), and a third (F3) and cinc finger, ordered F1, F2, F2 from N-terminus to C-terminus, where the target site comprises, in 3.-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (1) a polypebtide (II) comprising (I); (2) a polynucleotide (III) encoding (I) or (II); and (S1) comprising (M) (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it binds to the S2 target subsite, thus designing (I) that binds to the S2 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites (Naving the nucleotide G in the 5'-most position of the subsite. (I) is useful in studying gene function, and for human therapeutics and plant complete the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of
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engineering. (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of gene expression. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity. ABQ71213 to ABQ72214 and ABP48191 to ABP51230 represent DNA target sequences and zinc finger peptides which are given in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABP48642 standard; peptide; 7 AA.
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                                                                                                                                                                                                                                                                                               Conservative
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7; Conserve
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                                                                                                                                                                                                           Sequence 7 AA;
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                                                                                                                                                                        invention
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Sequence 7 AA;
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gene expression. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity. ABQ71213 to ABQ72214 and ABP48191 to ABP51230 represent DNA target sequences and zinc finger peptides which are given in the exemplification of the present
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                                                                                                                                                      Mismatches
                                                                                                                        100.0%; Score 7; 100.0%; Pred. No.
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                                                                                                                                                                                                                                                                                             ABP48652 standard; peptide; 7 AA.
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hes 7; Conservative
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                                                                                            Sequence 7 AA;
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                                                                invention
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                                                                                                                          Query Match
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The present invention describes a zinc finger protein (1) that binds to a target site, comprising a first (F1), a second (F2), and a third (F3) carget site, comprising a first (F1), a second (F2), and a third (F3) target site comprises, in 3'-5' direction, a first (51), a second (62), and a third (53) target subsite. Also described are: (1) a polypeptide (C (II) comprising (1); (2) a polymucleotide (III) encoding (I) or (II); and (2) designing (I); (2) a polymucleotide (III) encoding (I) or (II); and (2) designing (I); (2) a polymucleotide (III) encoding (I) or (II); and (2) binds to the S1 target subsite, selecting the F2 zinc finger such that it binds to the S2 target subsite, and selecting the F2 zinc finger such that it binds to the S3 target subsite, thus designing (I) that binds to that it binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites (C a target site. (I) is useful in studying gene function, and for human therapeutic methods to useful in studying gene function, and for human therapeutic methods to diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of target sequences, as well as enhanced biological activity. ABQ11213 to target peptides which are given in the exemplification of the present
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1.7e+06;
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100.0%; Pred. No.
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                                 Query Match
Best Local Similarity 1000.
7; Conservative
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Sequence 7 AA;
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The present line interitors a first (F1), a second (F2), and a third first (F3), and a third (F3) cance finger, comprising a first (F1), a second (F2), and a third (F3) and a third (G3) target site comprises, in 3.-5 direction, a first (G1), a second (F2), and a third (G3) target subsite. Also described are: (1) a polypetide (T1) comprising (M) (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it binds to the S2 target subsite, and selecting the F3 zinc finger such that it binds to the S3 target subsite, thus designing (1) that binds to the S3 target subsite, thus designing (1) that binds to that it binds to the S3 target subsite, thus designing (1) that binds to that it binds to the S3 target subsite, thus designing (1) that binds to useful in studying gene function, and for human therapeutics and plant would the expression of a target region within a subject, in charget the expression of a target region within a subject, in charget nucleic acid in a sample, and in assays to determined the phenotype and function of target sequences, as well as enhanced biological activity. AB071213 to the finger septides which are given in the exemplification of the present
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                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                              Zinc finger protein; ZFP; DNA binding protein; zinc finger.
                                                                                                                                                                                                                                                                                                                         Zinc finger protein related peptide motif SEQ ID NO:2545.
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 DB 5; Length 7;
1.7e+06;
                                       0; Indels
                                         0; Mismatches
   Score 7;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1; Page 54; 81pp; English.
                                                                                                                                                                                                           ABP49797 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SANG-) SANGAMO BIOSCIENCES INC.
   100.0%;
100.0%;
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                                                                                                                                                                                                                                                                                    (first entry)
Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-500284/53.
                                                                              1 RSDHLAR
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                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                    28-AUG-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                  ABP49797;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Liu O;
                                                                                                                                                                          RESULT 10
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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) and a third (F3) and a third (F3) tranger, ordered FI, F2, F3 from N-terminus to C-terminus, where the target site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (II) comprising (I); (2) a polynucleotide (III) encoding (I) or (II); and (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it binds to the S1 target subsite, thus designing (I) that binds to that it binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites considered in studying gene function, and for human therapeutic and plant engineering. (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of the supsition. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity. ABG71213 to ABG72214 and ABB78130 to Expression in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
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                                                                                                                                                                                                                                             Zinc finger protein; ZFP; DNA binding protein; zinc finger.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                        Zinc finger protein related peptide motif SEQ ID NO:679.
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100.0%; Pred. No. 1.7e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 1; Page 41; 81pp; English
                                                                                              ABP48621 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SANG-) SANGAMO BIOSCIENCES INC.
                                                                                                                                                                                                                                                                                                                                                                                                               20-NOV-2001; 2001WO-US043438.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-NOV-2000; 2000US-00716637.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-500284/53.
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                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                     28-AUG-2002
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                                                                                                                                   ABP48621;
                                                                                                                                                                                                                                                                                                      Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Liu Q;
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                                                         RESULT 11
                                                                               ABP4862
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ABP49260;

ABP49260

30-MAY-2002

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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) and carget site, comprising a first (FI), a second (F2), and a third (F3) and a third (F3) target site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (CI) comprising (I); (I2) a polyfuncteotide (III) encoding (I3) or (III); and (I3) designing (I); (I2) a polyfuncteotide (III) encoding (I3) or (III); and (I3) designing (I); (I3) involves selecting the F2 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it comparises to the S2 target subsite, thus designing (I) that binds to the S3 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to useful in studying gene function, and for human therapeutic and plant cangineering. (I), (II) or (III) is useful in therapeutic methods to condidance the expression of a target region within a subject, in cinample, and in assays to determined the phenotype and function of the supsite of target sequences, as well as enhanced biological activity, AB071213 to the invention are given in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
                                                                                                                                                                           Zinc finger protein; ZFP; DNA binding protein; zinc finger.
                                                                                                                     Zinc finger protein related peptide motif SEQ ID NO:2640.
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100.0%; Pred. No. 1.7e+06;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 1; Page 56; 81pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SANG-) SANGAMO BIOSCIENCES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                   20-NOV-2001; 2001WO-US043438
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                                                                         28-AUG-2002 (first entry)
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                           ABP50082;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Liu Q;
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ABP48649
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) and a third (F3) and a third (F3) target site, comprising a first (F1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (II) comprising (I); (2) a polynucleotide (III) encoding (I) or (II); and (I) and the S1 target subsite, selecting the F1 zinc finger such that it binds to the S1 target subsite, and selecting the F2 zinc finger such that it binds to the S2 target subsite, and selecting the F3 zinc finger such that it comparison (I) is useful for recognition of triplet target subsites a target size (I) is useful for recognition of triplet target subsites a target size. (I) is useful for recognition of triplet target subsites are useful in studying gene function, and for human therapeutic and plant engineering. (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in clasmostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of a superession. (I) has improved affinity and specificity for their target sequences, as well as enhanced biological activity. AB071213 to their increase the peptides which are given in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
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0
                                                                                                                                                                                                                                                                                        Zinc finger protein; ZFP; DNA binding protein; zinc finger
                                                                                                                                                                                                                                     Zinc finger protein related peptide motif SEQ ID NO:1388.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Page 48; 81pp; English.
                                                                               ABP49260 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SANG-) SANGAMO BIOSCIENCES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-NOV-2001; 2001WO-US043438
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Best Local Similarity 100.
Matches 7; Conservative
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Synthetic.
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Gaps ö

0; Indels Length 7;

28-AUG-2002 (first entry)

ABP50082 ID ABP50082 standard; peptide; 7 AA.

RESULT 13

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New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
                                                                                                                                                                                                                                                                                                                                                 Example 1; Page 54; 81pp; English
                                                                                                                                                                                       (SANG-) SANGAMO BIOSCIENCES INC.
                                                                                                                                                        20-NOV-2000; 2000US-00716637.
                                                                                                                          20-NOV-2001; 2001WO-US043438
                                                                                                                                                                                                                                                    WPI; 2002-500284/53.
                                                           WO200242459-A2
             Homo sapiens
                                                                                          30-MAY-2002
                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention
                                                                                                                                                                                                                      Liu Q;
%XCCCCCCCCCCCCCCCCX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              임
                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (F1), a second (F2), and a third (F3) target site, comprising a first (F1), a second (F2), and a third (F3) canget site comprises, in 3'-5' direction, a first (G1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (II) comprising (I); (2) a polynuclectide (III) encoding (I) or (II); and (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it binds to the S1 target subsite, and selecting the F3 zinc finger such that it binds to the S3 target subsite, and selecting of F4 F3 zinc finger such that it binds to the S3 target subsite, and selecting of the S1 target subsite. (I) is useful for recognition of triplet target subsites a target site. (I) is useful for recognition of the subsite. (I) is useful in studying gene function, and for human therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of the sample, and and an assays to determined the phenotype and function of target sequences, as well as enhanced affinity and specificity for their target sequences, as well as enhanced biological activity. ABQ71213 to ABG72214 and ABB74230 represent DNA target sequences and zinc finger peptides which are given in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                 New zinc finger protein that binds to target site, useful in studying gene function and for human therapeutics and plant engineering, comprises first, second and third zinc fingers, ordered from N- to C-terminus.
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0
                                            Zinc finger protein; ZFP; DNA binding protein; zinc finger.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 7; DB 5; Length 7; llarity 100.0%; Pred. No. 1.7e+06; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Zinc finger protein related peptide motif SEQ ID NO:2544.
             Zinc finger protein related peptide motif SEQ ID NO:893.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABP49794 standard; peptide; 7 AA.
                                                                                                                                                                                                                                                    (SANG-) SANGAMO BIOSCIENCES INC
                                                                                                                                                                                                                      20-NOV-2000; 2000US-00716637.
                                                                                                                                                                                       20-NOV-2001; 2001WO-US043438,
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Beet Local Similarity
7; Conserv?
                                                                                                                                                                                                                                                                                                                     WPI; 2002-500284/53
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                                                                                                                          WO200242459-A2.
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                                                                             sapiens
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                                                                                            Synthetic
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                                                                             Ношо
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The present invention describes a zinc finger protein (I) that binds to a target site, comprising a first (FI), a second (F2), and a third (F3) and cardered FI, F2, F3 from N-terminus to C-terminus, where the carder site comprises, in 3'-5' direction, a first (S1), a second (S2), and a third (S3) target subsite. Also described are: (I) a polypeptide (CT) comprising (I); (2) a polyhucleotide (III) encoding (I) or (II); and (I) involves selecting the F1 zinc finger such that it binds to the S1 target subsite, selecting the F2 zinc finger such that it comparison (I) is useful for recognition of triplet target subsites that it binds to the S3 target subsite, thus designing (I) that binds to the S1 target subsite, thus designing (I) that binds to the S3 target subsite, thus designing (I) that binds to a target site. (I) is useful for recognition of triplet target subsites (CT) a target site. (I) is useful for recognition of the subsite. (I) is useful in studying gene function, and for human therapeutic and plant engineering. (I), (II) or (III) is useful in therapeutic methods to modulate the expression of a target region within a subject, in diagnostic methods for sequence specific detection of target nucleic acid in a sample, and in assays to determined the phenotype and function of the subsites. (I) and in assays to determined the phenotype and function of the SQUIZI3 to ABQ12214 and ABBPS1230 represent DNA target sequences and zinc finger peptides which are given in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 7; DB 5; Le 100.0%; Pred. No. 1.7e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Search completed: December 27, 2004, 18:06:40 Job time : 67.75 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RSDHLAR 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RSDHLAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 7 AA;
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
```

OM protein - protein search, using sw model

Run on:

December 27, 2004, 21:40:45; Search time 20 Seconds (without alignments) 23.211 Million cell updates/sec

US-09-846-033B-252

1 TKDHLVR 7 Title: Perfect score: Sequence:

Scoring table:

OLIGO Gapop 60.0 , Gapext 60.0

478139 seqs, 66318000 residues Searched:

7 Word size :

0

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Total number of hits satisfying chosen parameters:

Post-processing: Listing first 45 summaries

lssued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description Query Score Match Length DB

No matches found

Search completed: December 27, 2004, 22:06:56 Job time: 20.1667 secs

```
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
```

OM protein - protein search, using sw model

December 27, 2004, 21:40:45; Search time 20 Seconds (without alignments) 23.211 Million cell updates/sec Run on:

US-09-846-033B-251 7 Title: Perfect score:

1 TTGHLVR 7

Sequence:

Scoring table:

OLIGO Gapop 60.0 , Gapext 60.0

478139 segs, 66318000 residues Searched:

7 Word size :

0

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Total number of hits satisfying chosen parameters:

Post-processing: Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description H Query Score Match Length DB Result No.

No matches found

Search completed: December 27, 2004, 22:06:56 Job time: 20.1667 BecB

```
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
```

OM protein - protein search, using sw model

Run on:

December 27, 2004, 21:40:45; Search time 20 Seconds (without alignments) 23.211 Million cell updates/sec

US-09-846-033B-250

1 TAGHLVR 7 Title: Perfect score: Sequence:

OLIGO Gapop 60.0 , Gapext 60.0

Scoring table:

478139 segs, 66318000 residues Searched:

7 Word size :

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Issued_Patents_AA:* Database

1: /cgn2 6/ptcdata11/iaa/5A COMB.pep:*
2. /cgn2 6/ptcdata/1/iaa/5B_COMB.pep:*
3: /cgn2 6/ptcdata/1/iaa/6A_COMB.pep:*
4: /cgn2 6/ptcdata/1/iaa/6B_COMB.pep:*
5: /cgn2 6/ptcdata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2 6/ptcdata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description C Query Score Match Length DB Result No.

No matches found

Search completed: December 27, 2004, 22:06:56 Job time : 20.1667 secs

us-09-846-033b-249.olig7.rai

```
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
```

OM protein - protein search, using sw model

December 27, 2004, 21:40:45 ; Search time 20 Seconds (without alignments) 23.211 Million cell updates/sec Run on:

US-09-846-033B-249 7 Title: Perfect score:

1 TSGHLRR 7 Sequence:

OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

478139 segs, 66318000 residues Searched:

7 Word size : Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database

Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description ü Query Score Match Length DB 8 8 Result

No matches found

Search completed: December 27, 2004, 22:06:56 Job time : 20.1667 secs

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Gaps

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Length 136;

```
Sequence 7009, Application US/09489039A

Sequence 7009, Application US/09489039A

Betent No. 6610836

GENERAL INFORMATION:
APPLICANT: GATY BETEON Et. al
APPLICANT: OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
TITLE OF INVENTION: PREUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NOS: 14342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0%; Pred. No. 0.59;
Matches 7; Conservative 0; Mismatches 0; Indels
                                            100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.36;
                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Search completed: December 27, 2004, 22:06:56 Job time: 20.1667 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Klebsiella pneumoniae US-09-489-039A-7709
                                            Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                       1 TSGHLAR
US-09-248-796A-19633
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US-09-489-039A-7709
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Batent No. 6747137
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: WHORE: US/09/248,796A
CURRENT APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-02-13
NUMBER: US 60/096,409
RIOR FILING DATE: 1998-08-13
NUMBER: OS SEQ ID NOS: 28208
SEQ ID NO 19633
LENGTH: 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 19633, A
Sequence 7709, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                   December 27, 2004, 21:40:45; Search time 20 Seconds (without alignments) 23.211 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cgn2_6/prodata/1/iaa/5A_COMB.pep:*
/cgn2_6/prodata/1/iaa/5B_COMB.pep:*
/cgn2_6/prodata/1/iaa/6A_COMB.pep:*
/cgn2_6/prodata/1/iaa/6B_COMB.pep:*
/cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/prodata/1/iaa/PCTUS_COMB.pep:*
                           GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-248-796A-19633
US-09-489-039A-7709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                 478139 segs, 66318000 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Listing first 45 summaries
                                                                                                                      OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                              OLIGO
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Issued Patents AA:*
                                                                                                                                                                                                                                                                US-09-846-033B-248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Score Match Length DB
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ORGANISM: Candida albicans
                                                   Copyright
                                                                                                                                                                                                                                                                                                             1 TSGHLAR 7
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US-09-248-796A-19633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7
                                                                                                                                                                                                                                                                   Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                 Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Word size :
                                                                                                                                                                                                                                                                                                                  Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Database
                                                                                                                                                                          Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Result
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Gaps

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us-09-846-033b-247.olig7.rai

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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OM protein - protein search, using sw model

December 27, 2004, 21:40:45; Search time 20 Seconds (without alignments) 23.211 Million cell updates/sec Run on:

US-09-846-033B-247 Title: Perfect score:

1 TSGHLSR 7

Sequence:

OLIGO Gapóp 60.0 , Gapext 60.0 Scoring table:

478139 seqs, 66318000 residues Searched:

7 Word size :

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

Issued Patents AA:*

1: /cgn2 6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2 6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2 6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2 6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description Query Score Match Length DB Result No.

No matches found

Search completed: December 27, 2004, 22:06:56 Job time: 20.1667 secs

us-09-846-033b-108.olig7.rai

```
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
```

OM protein - protein search, using sw model

Run on:

December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec

US-09-846-033B-108

1 RSDALTQ 7 Title: Perfect score: Sequence:

OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

478139 segs, 66318000 residues

Searched:

7 Word size : Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

lsgued_patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

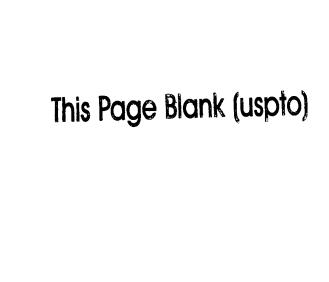
SUMMARIES

£ Query Score Match Length DB Result Š.

Description

Search completed: December 27, 2004, 21:40:39 Job time : 16.35 secs

No matches found



```
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
```

December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec Run on:

OM protein - protein search, using sw model

US-09-846-033B-107

OLIGO Gapop 60.0 , Gapext 60.0 Title: Perfect score: Sequence: Scoring table:

1 QSGNLTR 7

478139 seqs, 66318000 residues

Searched:

Total number of hits satisfying chosen parameters: 7 Word Bize :

0

Post-processing: Listing first 45 summaries Minimum DB seq length: 0 Maximum DB seq length: 200000000

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTus_COMB.pep:*

Pred. No. is the number of results predicted by ohance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

G Query Score Match Length DB Result No.

Description

No matches found

Search completed: December 27, 2004, 21:40:39 Job time : 16.35 secs

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Scoring table:

Word size :

Database

Searched:

Perfect score:

Sequence:

```
CURRENT FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity
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1 RSDHLSR 7
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Matches 7; Conserv
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US-09-779-233-44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 44
                                                                                                                           LENGTH: 7
                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE
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Sequence 14, Application US/09731558
Patent NO. 6503717
GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Rabar, Edward J.
APPLICANT: Sangame Blosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-0003210US
CURRENT APPLICATION NUMBER: US/09/731,558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                       (without alignments)
28.393 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3, Ay
Sequence 30, 1
Sequence 30, 1
Sequence 18, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 44,
Sequence 29,
Sequence 15,
Sequence 15,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 14,
                                                                                                                                                December 27, 2004, 20:31:09; Search time 16.35 Seconds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
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/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                             GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
US-09-779-233-49
US-09-229-037-15
US-09-779-233-3
US-09-478-681-30
US-09-478-681-30
US-09-779-233-18
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                                                                                                                                                                                                                                                                                                                                                                         478139 segs, 66318000 residues
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post-processing: Listing first 45 summaries
                                                                                                          OM protein - protein search, using sw model
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Maximum DB seq length: 200000000
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Match Length DB
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NS-09-716-637-29

Sequence 29, Application US/09716637

Parent No 67941637

Parent No 67941637

Parent No 67941637

APPLICANT: EISENBERG, Stephen P.

APPLICANT: EISENBERG, Stephen P.

APPLICANT: ILLY Qlang

APPLICANT: REBAR, Edward

TITLE OF INVENTION: IPERATIVE OPTIMIZATION IN THE DESIGN OF BINDING

TITLE OF INVENTION: PROTEINS

FILE REFERENCE: 825-0020

CURRENT APPLICATION NUMBER: US/09/716,637

CURRENT APPLICATION NUMBER: US/09/716,637

NUMBER OF SEQ ID NOS: 35

SOFTWARE: Patentin Ver: 2.0
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CTHER INFORMATION: Description of Artificial Sequence:SBS3; OTHER INFORMATION: recognition helix US-09-731-558-14
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                                                                                                        Length 7;
                                                                                                      100.0%; Score 7; DB 4; Loudo.0%; Pred. No. 3.8e+05;
                                                                                                                                                                                                                                                                                                                                                                               Sequence 44, Application US/09779233
Fatent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION:
CURRENT APPLICATION UNBER: US/09/779,233
CURRENT FILIG DATE: 2011-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PATENTIN Ver. 2.0
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Gaps

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| GENERAL INFORMATION:
| FARELICANT: CASS' Christopher |
| APPLICANT: CASS' Christopher |
| APPLICANT: CASS' Christopher |
| APPLICANT: Gase, Cassy Christopher |
| APPLICANT: Sisenberg, Stephen |
| APPLICANT: Sisenberg, Stephen |
| APPLICANT: Sangamo Biosciences, Inc. |
| APPLICANT:
; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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OTHER INFORMATION: Description of Artificial Sequence:designed
OTHER INFORMATION: 6-finger ZFP VEGF3a/1 from Kpn1 to BamHI
US-09-229-037-30
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                                                                                                                                                         Length 99;
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; Sequence 3, Application US/09779233
; Sequence 3, Application US/09779233
; Patent No. 668958
; GENERAL INFORMATION:
; APPLICAMY: Case, Case,
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; TITLE OF INVENTION: CELLS 10010
; CURRENT APPLICATION UNMER: US/09/779,233
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 99
                                                                                                                                                         100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.16;
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100.0%; Pred. No. 0.16;
rative 0; Mismatches
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; Sequence 30, Application US/09229037A
; Patent No. 6534261
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Best Local Similarity 100.
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Best Local Similarity
Matches 7; Conserv
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APPLICANT: Case, Casey Christopher
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Jarvis, Eric Edward
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Zinc Finger Proteins
FILE REPERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE Patentin Ver. 2.0
SEQ ID NO 15
LENGTH: 99
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Sequence 15, Application US/09478681

Sequence 15, Application US/09478681

Sequence 15, Application US/09478681

Sequence 15, Application US/09478681

Sequence 15, Application Sequence

APPLICANT: Case, Casey Christopher

APPLICANT: Gase, Casey Christopher

APPLICANT: Brenberg, Stephen P.

APPLICANT: Brencherg, Stephen P.

APPLICANT: Brencherg, Stephen P.

TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USING ZINC FINGER PROTEINS

FILE REFERENCE: 8325-0002.10 / S2-US3

CURRENT APPLICANT: 2000-01-06

NUMBER OF SEQ ID NOS: 43

SEQ ID NOS: 43

LENGTH: 99

LENGTH: 99
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              ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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OTHER INFORMATION: Description of Artificial Sequence:VEGF1 ZFP
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                                                                                                                                                            Query Match 100.0%; Score 7; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 3.8e+05; Matches 7; Conservative 0; Mismatches 0; Indels
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; Sequence 15, Application US/09229037A
; Setten to 00. 6534261
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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US-09-478-681-30

| Sequence 30 Application US/09478681
| Patent No. 6607882
| GENERAL INFORMATION:
| APPLICANT: Case, Casey Christopher
| APPLICANT: Eleenberg, Stephen P. APPLICANT: Spratt, Sharon K. TITLE OF INVENTION: USING ZINC FINNER PROTEINS
| CURRENT APPLICATION NUMBER: 12009-11-06
| NUMBER OF SEQ ID NOS: 43
| SOFTWARE: PATENTIN Ver. 2.0
| SEQ ID NO 30
| LENGTH: 196
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, OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF 3a/1
US-09-779-233-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233

Sequence 18, Application US/09779233

GENERAL INFORMATION:

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT FILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SEQ ID NO 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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178 RSDHLSR 184
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Perfect score:

Run on:

Sequence:

Scoring table:

Word size :

Database

Searched:

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APPLICANT: EISENBERG, Stephen P.
APPLICANT: LIU, Olang
APPLICANT: LIU, Olang
APPLICANT: JAMIESON, Andrew
APPLICANT: REBAR, Edward
TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING
FITLE OF INVENTION: PROTEINS
FILE REPERENCE: 8325-0020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence: recognition OTHER INFORMATION: helix
                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
                                                                                                                                                                                                                                                                                                              Query Match 100.0%; Score 7; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 3.8e+05; Matches 7; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PALENTIN Ver. 2.0
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         PRIOR APPLICATION NUMBER: US 09/456,100 PRIOR FILING DATE: 1999-12-06 NUMBER OF SEQ ID NOS: 24 SOFTWARE: PATENTIN VET. 2.1 SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 29, Application US/09716637
Patent No. 6794136
GENERAL INFORMATION:
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2000-12-06
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ORGANISM: Artificial Seguence
                                                                                                                                                                               ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Artificial Sequence
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RSDHLSR 7
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US-09-779-233-44
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LENGTH: 7
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LENGTH: 7
                                                                                                                                                          TYPE: PRT
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APPLICANT: Rebar, Edward J.
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Processing for the Identification of Gene Function
FILE REFERENCE: 019496-00321008
CURRENT APPLICATION NUMBER: US/09/731,558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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28.393 Million cell updates/sec
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Sequence 30,
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Sequence 18
                                                                                                                                                            December 27, 2004, 20:31:09; Search time 16.35 Seconds
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/cgm2_6/ptcdata/1/iaa/5B_COMB.pep:*
/cgm2_6/ptcdata/1/iaa/6A_COMB.pep:*
/cgm2_6/ptcdata/1/iaa/PcTUS_COMB.pep:*
/cgm2_6/ptcdata/1/iaa/PcTUS_COMB.pep:*
                       GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
US-09-779-233-44
US-09-229-037-15
US-09-779-233-3
US-09-779-233-3
US-09-779-233-3
US-09-779-233-18
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Gapop 60.0 , Gapext 60.0
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Patent No. 6503717
GENERAL INFORMATION
APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Issued Patents AA:*
                                                                                                                                                                                                                                                    US-09-846-033B-105
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Maximum DB seq length: 2000000000
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Match Length DB
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GENERAL INCORNATION:
APPLICANT: Cox III, George No. 6534261bert
APPLICANT: Case, Casey Christopher
APPLICANT: Essey Christophen
APPLICANT: Essenberg, Stephen P.
APPLICANT: Breath, Sharon Raye
APPLICANT: Spratt, Sharon Raye
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 01946-0022000S
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
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OTHER INFORMATION: construct targeting upstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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                                                                                                   Length 99;
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                                                                                                   100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.16;
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; Sequence 3, Application US/09779233
; Sequence 3, Application US/09779233
; Patent No. 6689558
; GENERAL INFORMATION:
; APPLICANT: Case, Case,
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; FILE REPERENCE: 8325-0010
; CURRENT APPLICATION NUMBER: US/09/779,233
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 99
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SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
LENGTH: 196
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Matches 7; Conserv
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                                 ; OTHER INFURM
US-09-478-681-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Cox III, George No. 6534261bert
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Jarvis, Eric Edward
APPLICANT: Jarvis, Eric Edward
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Songamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PATENTIN Ver. 2.0
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Jarvis, Eric E.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REFERENCE: 8325-0002.10 / S2-US3
CURRENT APPLICATION NUMBER: US/09/478,681
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target COTHER INFORMATION: site in VEGF promoter US-09-229-037-15
                          , OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.88+05; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 7; DB 4; Length 99; 100.0%; Pred. No. 0.16; ive 0; Mismatches 0; Indels
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; Sequence 15, Application US/09229037A
; Patent No. 6534261
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
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Best Local Similarity 100..
Paran 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-478-681-15
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LENGIH: 99
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US-09-478-681-30
S-09-478-681-30
SGQUENCE 30, Application US/09478681
Sequence 30, Application US/09478681
SEQUENCE 06607882
GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC PINGER PROTEINS
TITLE OF INVENTION: USING ZINC PINGER PROTEINS
TITLE OF INVENTION: USING ZINC PINGER PROTEINS
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
SEQ ID NO 30
LENGTH: 196
TYPE: PRT
ORGANISM: Artificial Sequence
PERMIURE:
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Best Local Similarity 100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233

Sequence 18, Application US/09779233

GENERAL INFORMATION:

APPLICANT: Case, Casey

TITLE OF INVENTION: CLELLS FOR DRUG DISCOVERY

FILE REFERENCE: 8325-0010

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT FILING DATE: 2011-0-0-08

SEQ ID NO 18

LENGTH: 196

TENGTH: 196

TORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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178 RSDHLSR 184
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178 RSDHLSR 184
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Title: Perfect score:

Run on:

Sequence:

Scoring table:

Word size :

Searched:

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APPLICANT: LIU, Qiang
APPLICANT: LIU, Qiang
APPLICANT: LIU, Qiang
APPLICANT: LIU, Qiang
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, Andrew
APPLICANT: JAMIESON, Andrew
APPLICANT: PEBAR, Edward
TITLE OF INVENTION: PROTEINS
FILE REFERENCE: 8325-0020
CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT FILING DATE: 2001-10-12
CURRENT FILING DATE: 2001-10-12
SOFTWARE: PATENTIN Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: recognition
OTHER INFORMATION: helix
US-09-779-233-44
                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 44, Application US/09779233
Faten No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
ITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REPERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT PILING DATE: 2010-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 44
            PRIOR APPLICATION NUMBER: US 09/456,100 PRIOR FILING DATE: 1999-12-06 NUMBER OF SEQ ID NOS: 24 SEG ID NO 14 LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 29, Application US/09716637; Patent No. 6794136; GENERAL INFORMATION:
CURRENT FILING DATE: 2000-12-06
                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Seguence
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-779-233-44
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Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appl
Sequence 30, Appl
Sequence 30, Appl
Sequence 18, Appl
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APPLICANT: Case, Casey Christopher

APPLICANT: Liu, Qiang

APPLICANT: Edward J.

APPLICANT: Sangamo Biosciences, Inc.

APPLICANT: Sangamo Biosciences, Inc.

TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger

TITLE OF INVENTION: Proteins for the Identification of Gene Function

FILE REFERENCE: 019456-001210US

CURRENT APPLICATION NUMBER: US/09/731,558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                  December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec
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Sequence 44
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                           GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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US-09-719-233-44
US-09-716-637-29
US-09-229-037-15
US-09-478-681-15
US-09-779-233-3
US-09-478-681-30
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                                                                                                                          OM protein - protein search, using sw model
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                                                                                                                                                                                                                                                               US-09-846-033B-104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Match Length DB
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Result No.

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ORGANISM: Artificial Sequence
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Best Local Similarity luu...
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Matches 7; Conservative
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81 RSDHLSR 87
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US-09-229-037-30
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APPLICANT: Elsenberg, Stephen P.
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Bypratt, Sharon K.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REPERENCE: 8225-0002.10 / S2-US3
CURRENT APPLICATION UMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP OTHER INFORMATION: construct targeting upstream 9-base pair target : OTHER INFORMATION: site in VEGF promoter US-09-229-037-15
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-1 F3
US-09-716-637-29
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:VEGF1 ZFP
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                                                              100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                        US-09-229-037-15

Sequence 15, Application US/09229037A

Patent No. 6534261

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15, Application US/09478681 Patent No. 6607882 GENERAL INFORMATION: APPLICANT: Cox III, George N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                  Query Match
Best Local Similarity 100.
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-478-681-15
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LENGTH: 99
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GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Sisenberg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
TITLE OF INVENTION: Equiation of Endogenous Gene Expression in Cells Using
TITLE OP INVENTION: Zinc Finger Proteins
TITLE OP INVENTION: Zinc Finger Proteins
TITLE OF INVENTION: Sinc Finger Proteins
TITLE OF INVENTION: 2109-01-12
SURRENT FILING DATE: 1999-01-12
SOFTWARE: Patentin Ver. 2.0
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
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; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
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US-09-779-233-3
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100.0%; Pred. No. 0.16;
iive 0; Mismatches
                                                                                                       100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.16;
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S. 09-79-79-233-3

Sequence 3, Application US/09779233

Patent No. 668958

GENERAL INFORMATION:

APPLICANT: Case, Casey

TILLE OF INVENTION:

CURRENT APPLICATION NUMBER: US/09/779,233

CURRENT PILIG DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SEQ ID NO 3

LENGTH: 99
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                                                            RESULT 8
US-09-478-681-30
is Sequence 30, Application US/09478681
j Patent No. 6607882
is GENERAL INFORMATION:
is APPLICANT: Case, Casey Christopher
APPLICANT: Saron Case, Casey Christopher
APPLICANT: Spratt, Sharon K.
is APPLICANT: Spratt, Sharon K.
is APPLICANT: Spratt, Sharon K.
is TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
ITILE OF INVENTION: USING ZINC FINGER PROTEINS
ITILE OF INVENTION: USING ZINC FINGER PROTEINS
ITILE OF SEQ ID NOS: 43
CURRENT PILING DATE: 2000-01-06
NUMBER OP SEQ ID NOS: 43
SOFTWARE: PATENTIN UVER: 2.0
SEQ ID NO 30
LENGTH: 196
LENGTH: 196
ITYPE: PRT
ORGANISM: Artificial Sequence
FRATURE:
COMMANDER: CASE OF TAXES OF TAX
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US-09-779-233-18
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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US-09-779-233-18
Sequence 18, Application US/09779233
Patent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION:
CURRENT PRILITON NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIN Ver. 2.0
SEQ ID NO 18
LENGTH: 196
TYPE: PRI
CREANISM: Artificial Sequence
FERTURE:
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178 RSDHLSR 184
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178 RSDHLSR 184
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Search completed: December 27, 2004, 21:40:38 Job time : 16.35 secs

Gaps

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Length 7; 0; Indels

Title: Perfect score:

Run on:

Sequence:

Scoring table:

Word size :

Searched:

Database :

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Sequence 29, Application US/09716637

Sequence 29, Application US/09716637

Patent No. 6794136

GENERAL INFORMATION:

APPLICANT: EISENBERG, Stephen P.

APPLICANT: LIU, Qiang

APPLICANT: LIU, Qiang

APPLICANT: REBAR, Edward

APPLICANT: REBAR, Edward

TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING

TITLE OF INVENTION: PROTEINS

FILE REPERENCE: 8325-0020

CURRENT APPLICATION NUMBER: US/09/716,637

CURRENT APPLICANION NUMBER: 2001-10-12

NUMBER OF SEQ ID NOS: 35

SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: recognition OTHER INFORMATION: helix
                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0;
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Fatent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION:
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 44
CURRENT FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                     NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 14
LENGTH: 7
                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100...
7, Conservative
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Best Local Similarity
7; Conserve
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US-09-779-233-44
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Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appli
Sequence 30, Appl
Sequence 10, Appl
Sequence 11, Appl
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APPLICANT: Case, Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Liu, Qiang
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Protecting for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT APPLICATION NUMBER: US/09/731,558
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                                                                                                                                                                  December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec
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Sequence 44,
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2: /cgn2_6/ptodata/l/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/l/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/l/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/l/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/l/iaa/PCTUS_COMB.pep:*
                              GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
US-09-779-233-44
US-09-229-037-15
US-09-779-233-3
US-09-779-233-3
US-09-779-233-18
US-09-779-233-18
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Patent No. 6503717
GENERAL INFORMATION:
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Maximum DB seq length: 200000000
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| General AUC. D0334201 |
| General AUC. D0334201 |
| APPLICANT: Case, Casey Christopher |
| APPLICANT: Case, Casey Christopher |
| APPLICANT: Stephen P. |
| APPLICANT: Jarvis, Eric Edward |
| APPLICANT: Spratt, Sharon Kaye |
| APPLICANT: Spratt, Sharon Raye |
| APPLICANT: Sharon Raye |
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; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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                                                                                                                                                Length 99;
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; Sequence 3, Application US/09779233
; Sequence 3, Application US/09779233
; Patent No. 6689558
; GENERAL INFORMATION:
; APPLICAMT: Case, Casey
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; FILE REPRENCE: 8325-0010
; CURRENT APPLICATION UNMBER: US/09/779,233
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
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                                                                                                                                            100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.16;
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                                                                                                                       Query Match
Best Local Similarity
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Brancherg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Requiation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REPERBENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 15
LENGTH: 99
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Javvis, Eric B.
APPLICANT: Spratt, Sharon K.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
FILE REPERENCE: 8325-0002.10 / S2-US3
CURRENT APPLICATION NUMBER: US/09/478,681
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PATENTIN VET. 2.0
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          ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                                                                                    Query Match 100.0%; Score 7; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 3.8e+05; Matches 7; Conservative 0; Mismatches 0; Indels
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; Sequence 15, Application US/09229037A
; Patent No. 6534261
; GENERAL INFORMATION:
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Patent No. 6607882
GENERAL INFORMATION:
APPLICANT: Cox III, George N.
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-478-681-15
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LENGTH: 99
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         RESULT 8

US-09-478-681-30

; Sequence 30, Application US/09478681
; Patent No. 6607882
; GENERAL INFORMATION:
; APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
; APPLICANT: Spratt, Sharon K.
; TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
; TITLE OF INVENTION: USING ZING FINGER PROTEINS
; FILE REFERENCE: 9225-0002.10 / S2-US3
; CURRENT APPLICATION NUMBER: US/09/478,681
; CURRENT PILING DATE: 200-01-06
; NUMBER OF SEQ ID NOS: 43
; SSOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 30
LENGTH: 196
; TYPE: PRT
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100.0%; Score 7; DB 4; Length 196;

Best Local Similarity 100.0%; Pred. No. 0.3;

Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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US-09-779-233-18
Sequence 18, Application US/09779233
Patent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TTLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT APPLICATION NUMBER: 201-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.0
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ORGANISM: Artificial Sequence
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Title: Perfect score:

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Sequence:

Scoring table:

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Searched:

Database :

Result No.

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APPLICANT: BISENBERG, Stephen P.
APPLICANT: BISENBERG, Stephen P.
APPLICANT: BISENBERG, Stephen P.
APPLICANT: DAMISSON, Andrew
APPLICANT: DAMISSON, Andrew
APPLICANT: DAMISSON, ANDREW
APPLICANT: BEBAR, Edward
TITLE OF INVENTION: THEATIVE OPTIMIZATION IN THE DESIGN OF BINDING
TITLE OF INVENTION: PROTEINS
FILE REFERENCE: 8325-0020
CURRENT APPLICATION NUMBER: US/09/716,637
CURRENT FILING DATE: 2001-10-12
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Description of Artificial Sequence: recognition ; OTHER INFORMATION: helix
US-09-779-233-44
                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 44, Application US/09779233
Fatent No. 668958
GENERAL INFORMATION:
APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TILLE REFERENCE: 8255-0010
CURRENT PAPLICALION NUMBER: US/09/779,233
CURRENT PILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOGTWARE: PatentIn Ver. 2.0
SEQ ID NO 44
LENGTH: 7
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           PRIOR APPLICATION NUMBER: US 09/456,100 PRIOR FILING DATE: 1999-12-06 NUMBER OF SEQ ID NOS: 24 SEC ID NO 14 LENGTH: 7
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CURRENT FILING DATE: 2000-12-06
                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity luv...
7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-779-233-44
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Sequence 29, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appli
Sequence 30, Appli
Sequence 30, Appli
Sequence 18, Appl
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Sequence 14, Application US/09731558

Batent No. 6503717

GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Rangame Blosdience, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT APPLICATION NUMBER: US/09/731,558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                           December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec
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/cgm2_6/ptodata/1/iaa/SB_COMB.pep:*
/cgm2_6/ptodata/1/iaa/GA_COMB.pep:*
/cgm2_6/ptodata/1/iaa/GB_COMB.pep:*
/cgm2_6/ptodata/1/iaa/RGTUS_COMB.pep:*
/cgm2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
                          GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
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US-09-229-037-15
US-09-478-681-15
US-09-779-233-3
US-09-478-681-30
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Maximum DB seq length: 200000000
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Endogenous Gene Expression in Cells Using
OTHER INFORMATION: construct targeting upstream 9-base pair target OTHER INFORMATION: site in VEGF promoter
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US-09-779-233-3
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                                                                                                                                          Length 99;
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                                                                                                                                          100.0%; Score 7; DB 4; 100.0%; Pred. No. 0.16;
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; Sequence 3, Application US/09779233
; Sequence 3, Application US/09779233
; Patent No. 668558
; GENERAL INFORMATION:
; APPLICANT: Case, Casey
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; TITLE REPRENCE: 8325-0010
; CURRENT APPLICATION NUMBER: US/09/779,233
; CURRENT PILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SEQ ID NO 3
; LENGTH: 99
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APPLICANT: COX III, George No. 6534261bert
APPLICANT: Case, Casey Christopher
APPLICANT: Eisenberg, Stephen P.
APPLICANT: Barvis, Bric Edward
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous (TITLE OF INVENTION: Zinc Finger Proteins)
FILE REFERENCE: 019456-002500US
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 30
LENGTH: 196
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; Sequence 30, Application US/09229037A
; Patent No. 6534261
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Best Local Similarity 100..
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                                                                     US-09-478-681-15
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APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Jarvis, Eric Edward
APPLICANT: Jarvis, Eric Edward
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.0
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| Sequence 15, Application US/09478681
| Sequence 15, Application US/09478681
| Sequence 15, Application US/09478681
| GENERAL INFORMATION:
| APPLICANT: Case, Casey Christopher
| APPLICANT: Spratt, Sharon K. | APPLICANT: Spratt, Sharon K. | TITLE OF INVENTION: REGILATION OF ENDOGENOUS GENE EXPRESSION IN CELLS ITLE OF INVENTION: USING ZINC FINGER PROTEINS
| FILE REFERENCE: 8325.0002.10 / S2-US3 |
| CURRENT APPLICATION NUMBER: US/09/478,681 |
| CURRENT FILING DATE: 2000-01-06 |
| SEQ ID NO 15 |
| LENGTH: 99 |
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                                        ; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                                                                          Query Match 100.0%; Score 7; DB 4; Length 7; Best Local Similarity 100.0%; Pred. No. 3.8e+05; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-229-037-15
; Sequence 15, Application US/09229037A
; Sequence 10. Application Sequence 15, Sequence 15, Sequence 15, Sequence 15, September 100 Sequence 15, September 15, 
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100..
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LENGTH: 99
          FEATURE:
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(US-00-478-681-30)

(Sequence 30, Application US/09478681)

(Sequence 30, Application US/09478681)

(SEQUENCE NO. 6607882)

(GENERAL INFORMATION:

(APPLICANT: Case, Casey Christopher

(APPLICANT: Case, Casey Christopher

(APPLICANT: Eisenberg, Stephen P.

(APPLICANT: Eisenberg, Stephen P.

(APPLICANT: Spratt, Sharon K.

(TITLE OF INVENTION: USING ZINC FINGER PROTEINS

(TITLE OF INVENTION: USING ZINC FINGER PROTEINS

(CURRENT APPLICATION NUMBER: US/09/478,681)

(CURRENT APPLICATION NUMBER: US/09/478,681)

(CURRENT PILING DATE: 2000-01-06

(NUMBER OF SEQ ID NOS: 43)

(SEQ ID NO 30

(SEQ ID NO 30

(TYPE: PRT

(ORGANIEM: Artificial Sequence)

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US-09-779-233-18
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233
Sequence 18, Application US/09779233
Sequence 18, Application US/09779233
GENERAL INFORMATION:
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOCTHWARE: Patentin Ver. 2.0
SEQ ID NO 18
LENGTH: 196
TERVIE:
CRANISM: Artificial Sequence
FEATURE:
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Run on:

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22-AUG-2003 (first entry)
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Best Local Similarity 100.
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WO200246412-A2
                                                                                                                                                                                                                                                                                                                                            Sequence 7 AA;
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                    13-JUN-2002
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Jarvis E;
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Jarvis E;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Abj03961 Human VEG
Abo14621 Human VEG
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                                                                          December 27, 2004, 20:25:55 ; Search time 64.3 Seconds (without alignments) 39.053 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human VEGF-targeted zinc finger protein fragment SEQ ID NO: 246
                                                                                                                                                                                                                                             N
            GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                             Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                   2002273 segs, 358729299 residues
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                                                       OM protein - protein search, using sw model
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ABO14621
                                                                                                                                                                           Gapop 60.0 , Gapext 60.0
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geneseqp1990s:*
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geneseqp2001s:*
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Maximum DB seq length: 200000000
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Match Length
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Perfect score:
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                                                                                                                                                                   Scoring table:
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                                                                                                                                               Sequence:
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Database

RESULT 1 ABJ0396

Result No.

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Zinc finger protein; vascular endothelial growth factor; VEGF; ischaemia; atherosclerosis; tumour; arthritis; bone injury; wound; ulcer; surgery; angiogenesis; pregnancy; embryogenesis; human; recognition helix.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New zinc finger protein that binds to target site in vascular endothelial growth factor gene, useful for modulating expression of the gene and for treating atherosclerosis, ischemia, arthritis, wound or ulcer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to a zinc finger protein that binds to a target site in one or more vascular endothelial growth factor (VEGF) genes. The protein is useful for modulating expression of a VEGF gene, thereby regulating angiogenesis and vasculogenesis. This can be used to treat atherosclerosis, ischaemia, arthritis, wounds, ulcers, tumours, diabetic retinopathy or psoriasis. The present sequence is a peptide shown in the invention
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                                                                                                                                                                                                                                                                                             Jamieson A, Liu Q, Liu P, Wolffe A, Eisenberg SP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 5; Length 7; 100.0%; Pred. No. 1.7e+06; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 4; Page 103; 195pp; English.
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12-DEC-2000; 2000US-00736083.
30-APR-2001; 2001US-00846033.
                                                                   07-DEC-2000; 2000US-00733604.
12-DEC-2000; 2000US-00736083.
30-APR-2001; 2001US-00846033.
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06-DEC-2001; 2001WO-US046861
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WPI; 2003-466074/44.
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Novel zinc finger protein that binds to a target site, useful for modulating vascular endothelial growth factor gene expression, for modulating angiogenesis, for wound healing and for treating ischemia.

Disclosure; Page 43; 120pp; English.

The invention relates to a zinc finger protein that binds to a target site. The zinc finger protein is useful for modulating expression of a conscious prover factor (VEGF) gene. The expression of a number of splice variants of 'VEGF gene is modulated. A number of target contacted with a number of zinc finger proteins and each zinc finger protein binds to a distinct target site. The zinc finger protein cis administered in combination with a delivery vehicle, or its nucleic acid is administered into the cell, either in naked form or delivered in the expression vector. The zinc finger protein or nucleic acid is useful contracted or expression vector. The zinc finger protein is also useful for modulating angiogenesis, by introducing the zinc finger protein is also useful for modulating angiogenesis, by introducing the zinc finger protein into an animal, where the animal has a genome comprising a target site within a WGGF gene. The zinc finger protein into an animal, where the animal has a genome comprising a target site within a WGGF gene. The zinc finger protein and nucleic acid are also useful for comprising a target site within a wider gene. The zinc finger protein and nucleic acid are also useful for comprising a target site within a wider acid are also useful for comprising a target site within a wider acid are also useful for metaliating and/or maintaining pregnancy and for supporting embryogenesis. The zinc finger protein and its nucleic acid are also useful in surgical applications. The present sequence represents the anno acid sequence of a human VEGF targeted zinc finger protein ZFP recognition helix

Sequence 7 AA;

Gaps . 0 0; Indels Query Match 100.0%; Score 7; DB 6; Length 7; Best Local Similarity 100.0%; Pred. No. 1.7e+06; Matches 7; Conservative 0; Mismatches 0; Indels

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1 TSGHLIR 7 1 TSGHLIR

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Search completed: December 27, 2004, 21:35:10

Job time : 64.3 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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OM protein - protein search, using sw model
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December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec Run on:

US-09-846-033B-246 7 1 TSGHLIR 7 Title: Perfect score:

Sequence:

OLIGO Gapop 60.0 , Gapext 60.0 Scoring table:

478139 seqs, 66318000 residues Searched:

7 Word size

Total number of hits satisfying chosen parameters:

0

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

lssued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description ü Query Score Match Length DB No. Result

No matches found

Search completed: December 27, 2004, 21:40:40 Job time : 16.35 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec Run on:

OM protein - protein search, using sw model

US-09-846-033B-245 1 TSGHLTR 7 Title: Perfect score: Sequence:

Scoring table:

OLIGO Gapop 60.0 , Gapext 60.0

478139 segs, 66318000 residues Searched:

7 Word size :

Total number of hits satisfying chosen parameters:

0

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Issued_Patents_AA:* Database :

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5: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ü Query Score Match Length DB Result No.

Description

No matches found

Search completed: December 27, 2004, 21:40:40 Job time : 16.35 secs

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Search completed: December 27, 2004, 21:40:40 Job time : 16.35 secs
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US-09-779-233-37
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Sequence 17, Application US/09731558

Patent No. 6503717

GENERAL INFORMATION:

APPLICANT: Case, Casey Christopher

APPLICANT: Expar, Casey Christopher

APPLICANT: Bangamo Biodesiences, Inc.

TITLE OF INVENTION: Proteins for the Identification of Gene Function

TITLE OF INVENTION: Proteins for the Identification of Gene Function

FILE REFERENCE: 019496-003210US

CURRENT APPLICATION NUMBER: US/09/731,558

CURRENT FILING DATE: 2000-12-06

PRIOR FILING DATE: 1999-12-06

NUMBER OF SEQ ID NOS: 24

SEQ ID NOS: 24

LENGTH: 7

LENGTH: 7
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Sequence 37, Appl
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                                                                                                                                    December 27, 2004, 20:31:09; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec
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2: /cgn2 6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2 6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2 6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-37
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                                                                                                                                                                                                                                                                                                                                                                                                  478139 seqs, 66318000 residues
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                                                                                           OM protein - protein search, using sw model
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Maximum DB seq length: 200000000
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; TYPE: PRT;
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SBS6
; OTHER INFORMATION: recognition helix
US-09-731-558-17
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                                                                                                                                   100.0%; Score 7; DB 4; Length 7;
100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                          Sequence 37, Application US/09779233
; Patent No. 6689558
; GENERAL INFORMATION:
APPLICANT: Case, Casey,
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8125-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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Gaps

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Length 7; 0; Indels

Scoring table:

Word size :

Database

Result

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Searched:

Perfect score:

Title:

Run on:

Sequence:

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Sequence 29, Application US/09716637

Sequence 29, Application US/09716637

Sequence 29, Application US/09716637

Setent No. 6794136

GENERAL INFORMATION:

APPLICANT: BISENBERG, Stephen P.

APPLICANT: JAMIESON, Andrew

APPLICANT: APPLICANT: TEBAR, Edward

TITLE OF INVENTION: ITERATIVE OPTIMIZATION IN THE DESIGN OF BINDING

TITLE OF INVENTION: PROTEINS

FILE REFERENCE: 8325-0020

CURRENT PELING DATE: 2001-10-12

NUMBER OF SEQ ID NOS: 35

SOFTWARE PARENT TOWN OF THE CONTROL OF THE CO
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                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 7; DB 4; Length 7; 100.0%; Pred. No. 3.8e+05; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 7; DB 4; Le
100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 44, Application US/09779233
Patent No. 668958
GRERAL INFORMATION:
APPLICAMY: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8125-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 44
CURRENT FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 24
SEQ TYBARE: PatentIn Ver. 2.1
SEQ ID NO 14
LENGTH: 7
                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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US-09-779-233-44
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LENGTH: 7
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Sequence 29, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appl
Sequence 30, Appl
Sequence 30, Appl
Sequence 18, Appl
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Patent No. 650371.
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Rebar, Edward J.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Methods of Using Randomized Libraries of Zinc Finger
TITLE OF INVENTION: Proceins for the Identification of Gene Function
FILE REPERENCE: 019496-003210105
CURRENT APPLICATION NUMBER: US/09/731,558
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28.393 Million cell updates/sec
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2: /cgn2 6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2 6/ptodata/1/iaa/6A_COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2 6/ptodata/1/iaa/PCTUS_COMB.pep:*
                                                  GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-719-233-44
US-09-716-637-29
US-09-229-037-15
US-09-779-233-3
US-09-478-681-30
US-09-478-681-30
US-09-478-681-30
US-09-478-681-30
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Maximum DB seq length: 200000000
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Match Length DB
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Gaps

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; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
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; Sequence 30, Application US/09229037A
; Patent No. 6534261
                                                                                                                                                                                                                                                                                                 US-09-779-233-3
; Sequence 3, Application US/09779233
; Patent No. 6689558
; GENERAL INFORMATION:
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Best Local Similarity 100..
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Best Local Similarity
7; Conserve
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Lisenberg, Stephen P.
APPLICANT: Jarvis, Eric Edward
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Regulation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REFERENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
SOFTWARE: Patentin Ver. 2.0
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APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Case, Casey Christopher
APPLICANT: Gracherg, Stephen P.
APPLICANT: Spract, Sharon K.
TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
TITLE OF INVENTION: USING ZINC FINGER PROTEINS
CURRENT FILING DATE: 2000-01-06
NUMBER OF SEQ ID NOS: 43
SEQ ID NOS: 43
SEQ ID NO 15
LENGTH: 99
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                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: VEGF1 ZFP; OTHER INFORMATION: construct targeting upstream 9-base pair target; JOTHER INFORMATION: site in VEGF promoter US-09-229-037-15
    ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                                                                 0; Indels
                                                                                       Length 7;
                                                                                       100.0%; Score 7; DB 4; L. 100.0%; Pred. No. 3.8e+05;
                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                   US-09-229-037-15
; Sequence 15, Application US/09229037A
; Patent No. 6544261
; GENERAL INFORMATION.
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Best Local Similarity 100...
7; Conservative
                                                                                     Query Match
Best Local Similarity 100.
Matches 7; Conservative
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81 RSDHLSR 87
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US-09-478-681-15
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LENGTH: 99
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cax III George No. 6534261bert
APPLICANT: Case Christopher
APPLICANT: Cax III George No. 6534261bert
APPLICANT: Steenberg, Stephen P.
APPLICANT: Bleenberg, Stephen P.
APPLICANT: Standam Blosciences, Inc.
APPLICANT: Sandam Blosciences, Inc.
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US-09-779-233-3
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Length 99;
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     100.0%; Score 7; DB 4;
100.0%; Pred. No. 0.16;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Case, Casey
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REPREBRENC: 8325-0010
CURRENT APPLICATION WUMBER: US/09/779,233
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3
LENGTH: 99
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US-09-478-681-30

i Sequence 30, Application US/09478681

patent No. 6607882

GENERAL INFORMATION:

APPLICANT: Cax III, George N.

APPLICANT: Case, Casey Christopher

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Bisenberg, Stephen P.

TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USING ZINC PINGER PROTEINS

TILE REFERENCE: 8325-0002.10 / 32-U33

CURRENT APPLICATION NUMBER: US/09/478,681

CURRENT APPLICATION NUMBER: US/09/478,681

SOFTWARE: PATENT OF IN OS: 43

SOFTWARE: PATENT OS: 43
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US-09-779-233-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Score 7; DB 4; Length 196; Best Local Similarity 100.0%; Pred. No. 0.3; Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233
Sequence 18, Application US/09779233
Sequence 18, Application US/09779233
GENERAL INFORMATION:
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
FILE REFERENCE: 8325-0010
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT APPLICATION NUMBER: US/09/779,233
CURRENT APPLICATION NUMBER: US/09/779,233
SOFTWARE: PATE IN VOS: 45
SOFTWARE: PATE IN VOS: 45
TENGTH: 196
TENGTH:
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178 RSDHLSR 184
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Searched:

Perfect score:

Title:

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US-01-15 -637-29
US-09-716-637-29
Sequence 29, Application US/09716637
Sequence 29, Application US/09716637
Sequence 29, Application US/09716637
Sequence 29, Application US/09716637
Sequence 100, Olang
APPLICANT: BISBERG, Stephen P.
APPLICANT: APPLICANT: TILL OF UNIVERSITION IN THE DESIGN OF BINDING
TITLE OF INVENTION: PROTEINS
TITLE OF INVENTION: PROTEINS
TITLE REFERENCE: 8325-0020
CURRENT PAPLICATION UNMERR: US/09/716,637
CURRENT FILING DATE: 2001-10-12
NUMBER OF SEQ ID NOS: 35
SOFTWARE PATENTIAN UVET: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Description of Artificial Sequence: recognition; OTHER INFORMATION: helix
US-09-779-233-44
                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence:SBS3 OTHER INFORMATION: recognition helix
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100.0%; Pred. No. 3.8e+05;
tive 0; Mismatches 0;
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US-09-779-233-44
; Sequence 44, Application US/09779233
; Patent No. 668958
; GENERAL INFORMATION:
; APPLICANT: Case, Casey
; TTLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; FILE REPERENCE: 8325-0010
; CURRENT APPLICATION NUMBER: US/09/779,233
; CURRENT APPLICATION NUMBER: 2011-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PATENTIN Ver. 2.0
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CURRENT FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: US 09/456,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 14
LENGTH: 7
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity
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Matches 7; Conserv
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1 RSDHLSR 7
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LENGTH: 7
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Sequence 29, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 3, Appl
Sequence 30, Appl
Sequence 30, Appl
Sequence 30, Appl
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APPLICANT: Case, Casey Christopher
APPLICANT: Liu, Qiang
APPLICANT: Liu, Qiang
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
APPLICANT: Sangamo Biosciences, Inc.
TITLE OF INVENTION: Proteins for the Identification of Gene Function
FILE REFERENCE: 019496-003210US
CURRENT APPLICATION NUMBER: US/09/731,558
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                                                                                                                                                                           December 27, 2004, 20:31:09 ; Search time 16.35 Seconds (without alignments) 28.393 Million cell updates/sec
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                                  GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-779-233-44
US-09-716-637-29
US-09-229-037-15
US-09-779-233-3
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US-09-478-681-30
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                                                                                                                                 OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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Patent No. 6503717
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Maximum DB seq length: 200000000
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ORGANISM: Artificial Sequence
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Sequence 15, Application US/09229037A

Sequence 15, Application US/09229037A

Sequence 15, Common Commo
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US-09-478-681-15

Sequence 15, Application US/09478681

Patent No. 6667882

APPLICANT: Case, Casey Christopher

APPLICANT: Case, Casey Christopher

APPLICANT: Bisenberg, Stephen P.

APPLICANT: Spratt, Sharon K.

TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS

TITLE OF INVENTION: USING ZINC FINGER PROTEINS

FILE REFERENCE: 8325-0002.10 / S2-US3

CURRENT APPLICATION NUMBER: US/09/478,681

CURRENT FILING DATE: 2000-01-06

NUMBER OF SEQ ID NOS: 43

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 15

LENGTH: 99
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; OTHER INFORMATION: Description of Artificial Sequence: VEGF-I F3
US-09-716-637-29
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                                                                                                                                                                               0; Indels
                                                                                                        Length 7;
                                                                                                    Query Match
100.0%; Score 7; DB 4; Le
Best Local Similarity 100.0%; Pred. No. 3.8e+05;
Matches 7; Conservative 0; Mismatches 0;
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LENGTH: 99
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GENERAL INFORMATION:
APPLICANT: Casy Carietopher
APPLICANT: Case, Casey Christopher
APPLICANT: Elsenberg, Stephen P.
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Bisenberg, Stephen P.
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Kaye
APPLICANT: Spratt, Sharon Requiation of Endogenous Gene Expression in Cells Using
TITLE OF INVENTION: Zinc Finger Proteins
FILE REPRENENCE: 019496-002200US
CURRENT APPLICATION NUMBER: US/09/229,037A
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 30
LENGTH: 196
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                                                                                                                                                                     Gaps
; OTHER INFORMATION: construct targeting upstream 9-base pair target; OTHER INFORMATION: site in VEGF promoter US-09-478-681-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: ZFP-VEGF1
US-09-779-233-3
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                                                                                                             Length 99;
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                                                                                                          100.0%; Score 7; DB 4;
100.0%; Pred. No. 0.16;
iive 0; Mismatches
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; Sequence 3, Application US/09779233
; Sequence 3, Application US/09779233
; Patent No. 669958
; GENERAL INFORMATION:
; APPLICANT: Case, Casey
; TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY
; FILE REPRENCE: 8325-0010
; CURRENT APPLICATION NUMBER: US/09/779,233
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 99
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US-09-478-681-30
; Sequence 30, Application US/09478681
; Patent No. 6607882
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N.
; APPLICANT: Cox III, George N.
; APPLICANT: Eisenberg, Stephen P.
; APPLICANT: Spratt, Sharon K.
; TITLE OF INVENTION: REGULATION OF ENDOGENOUS GENE EXPRESSION IN CELLS
; TITLE OF INVENTION: USING ZINC FINGER PROTEINS
; TITLE OF INVENTION: USING ZINC FINGER PROTEINS
; TITLE OF SEQ ID NOS: 43
; CURRENT FILING DATE: 2000-01-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PATENCE: Batentin Ver. 2.0
; SEQ ID NO 30
; LENGTH: 196
   TYPE: PRT
   ORGANISM: Artificial Sequence
; FATURE:
   OTHER INFORMATION: 6-finger ZFP VEGF3a/1 from KpnI to BamHI US-09-478-681-30
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US-09-779-233-18
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100.0%; Score 7; DB 4; Length 196;

Best Local Similarity 100.0%; Pred. No. 0.3;

Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Score 7; DB 4; Length 196;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 7; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/09779233

Patent No. 6689558

GENERAL INFORMATION:

APPLICANT: Case, Casey

TITLE OF INVENTION: CELLS FOR DRUG DISCOVERY

FILE REFERENCE: 8325-0010

CURRENT APPLICATION WUMBER: US/09/779,233

CURRENT FILING DATE: 2001-02-08

NUMBER OF SEQ ID NOS: 45

SOFTWARE: PatentIN Ver. 2.0

SEQ ID NO 18

LENGTH: 196
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ORGANISM: Artificial Sequence
FEATURE:
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178 RSDHLSR 184
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178 RSDHLSR 184
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